Guaranteed

Airline

TRADE MARK

RADIO

Sets and Parts

Your Orders Shipped Within 24 Hours

WHEN your order arrives it is given our immediate attention. Within 24 hours your goods will have been carefully selected, examined, packed and delivered either to the post office, express office, or placed in the freight car and started on their way to you.

We absolutely guarantee safe delivery, and will replace free of charge anything broken or damaged in shipment. Should you find it necessary to write us about your radio set at any time, your letter will be given the same prompt attention.

MONTGOMERY WARD & CO.

Chicago - Kansas City - St. Paul - Baltimore - Portland, Ore. - Oakland, Calif. - Fort Worth

Don't Wait—*Now* is the Time to Buy Your Radio Set—



C. J. MANNING, Manager
Radio and Electrical Department.

TO be without Radio NOW is depriving yourself and family of the benefits of one of the most wonderful discoveries of the age. Anyone anywhere can enjoy radio without fee or license, and without any great expense for equipment. It requires no particular knowledge or skill. Radio brings into even the most isolated homes a wealth of information, instruction and entertainment that no other invention has made possible.

Radio Has Been Highly Perfected

Radio receiving sets are as safe an investment today as an automobile. The principle and design of Ward's Airline Radio Receiving Sets is standard and well established. Millions of dollars have been invested in broadcasting stations, designed to work with present day radio equipment. The radio sets now sold by Montgomery Ward & Co. will be standard for many years to come.

A Typical Single Day's Program

8:45 A.M. Car lot shipments and the receipts of stock and grain last twenty-four hours, with early live stock and grain quotations.
9:45 A.M. The weather forecast. Butter and egg market.
10:45 A.M. Latest market quotations. On Sundays the sermons from various churches.
12:30 P.M. The weather forecast repeated. Market quotations.
1:45 P.M. Markets and the weather forecast repeated.
3:00 P.M. Music and good lectures. Butter, egg, poultry and cream markets. Club work for girls.
3:30 P.M. Musical entertainment.
6:00 P.M. Dinner music. News and market bulletins.
6:45 P.M. Bedtime stories.
8:00 P.M. to 1:00 A. M. Lectures, speeches, grand opera, news bulletins, band music, orchestras, plays.

Free Radio Service

Our Experts Will Help You Gladly at Any Time

Any time you want to ask any questions about radio, just write us a letter, address it to "Radio Department, Montgomery Ward & Co.," and send it to whichever of our seven big stores is nearest you. We have radio experts at each place, and will be very glad to help you. We want you to feel free to write us whenever and as often as you please.

This Service Is Free to All

You do not have to be the owner of an Airline radio set to get this service. Sometimes a little advice, which our radio experts will give cheerfully at any time, may save you a lot of trouble. Do not hesitate to write whenever we can be of help to you.



Testing Parts for Defects



Testing Finished Set Before Shipping

Let us help you in selecting the parts for the radio set you wish to build. Let us give you candid advice as to the type of ready built radio set best suited to your particular needs. With every radio set listed on the following pages we give an instruction book which explains every detail of installation and operation. Our sets are designed to be easy to install and operate. No knowledge of radio or mechanical ability is necessary. Ward's Airline Receiving Sets will give you service as reliable, complete and satisfactory as any set you can buy at any price.

You Save About One-Half

They will cover distance as great, give as much volume, clearness and selectivity, and look as attractive in your home, as any of the sets selling for double Ward's prices. Ward's radio equipment is the reliable kind of merchandise you can expect from a company that has successfully practiced the Golden Rule in business.

Our selection of the different types of radio sets is the result of practical knowledge gained through studying the desires of thousands of the radio enthusiasts. C. J. MANNING.

Radio Is a Godsend

Mr. Chris. Eisenlohr of Motley, Minn., says: "We are satisfied that we have the best Radio Receiving Set made, and we made a real saving by buying from Ward's. "The lonesomeness of the farm is gone. Radio is a Godsend, and should be in every home."

Printed by Permission

How to Select the Airline Set Best Suited to Your Needs

Airline Radio Receiving Sets are of two general kinds—those which operate from storage batteries and those using dry cells. Where a choice between these two kinds is possible and you are buying a set using more than one tube, it pays to buy a storage battery set, as it gives the most consistent good service. Where no facilities are at hand for charging a storage battery, dry cell sets can be used and will give splendid results. So far as clearness and distance are concerned, the results are about equal to those with storage batteries. The storage battery outfits, however, give slightly more volume and steadier service. Even if you have no electricity in your home, you can usually have a storage battery charged at a garage or service station, at small expense.

Airline Conqueror

This is our finest set. Five tubes with only ONE dial to tune. The easiest to operate of any set made. Extremely selective and in every way the best set we could possibly sell you. For use with storage battery only. No matter where you live this set will give you all the results you could get from any set you buy. It is our most beautiful set, being mounted in the finest cabinet we can build. See Page 327 for description and prices.

Airline Enchanter

This set uses five tubes of the storage battery type. It is not adapted to dry cell use. It tunes with three dials which read very nearly alike. This feature makes station finding a real pleasure instead of a task as heretofore. This set is remarkably selective and will give gratifying results both as to distance and clarity. The volume from the set is great and without distortion. Intended for use in communities where a selective set is essential. It will separate stations perfectly and "tune through" and bring in distant stations. See Page 328 for description and prices.

New Airline De Luxe

This set uses three tubes, either storage battery or dry cell type. Especially designed for use on farms and small towns where there is no serious interference from nearby broadcasting stations. It is a regenerative set; easy to operate, only two dials to tune. Enclosed in the most beautiful cabinet we have ever seen on this type of set. We do not know of another set at this price which will give you as much satisfaction as the Airline De Luxe. See Page 329 for description and prices.

Airline Junior

This set uses one dry cell tube. It is to be used with head phones unless our two-stage amplifier is added. Covers great distances and gives good volume on stations up to 500 miles distant on one tube. Under favorable conditions, stations at greater distances will be heard. A fine set to begin with and a favorite in thousands of homes. It is very easy to operate and can be used as a portable set. It is one of our lowest priced sets. We guarantee it to do as much as any one-tube set ever made. Stations when once found at a certain point on the dial will **always** be found there. See Page 330.

This Guarantee *given with every* Airline *Set*

Airline Radio Set Guarantee

WE guarantee every Airline Radio Receiving Set to cover distances as great, give as much volume, clearness and selectivity, and give service as reliable and satisfactory, as any similar radio set you can buy, regardless of price. We allow you 30 days in which to test the set and decide if it is satisfactory. If within that period you decide you are not perfectly satisfied, write us for shipping instructions, and we will refund all you have paid, including transportation charges.

Satisfaction Guaranteed or Your Money Back

30 Days Trial—Any Airline Set in Your Own Home

Radio Benefits

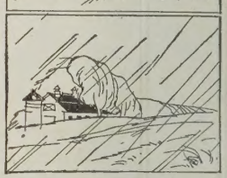
What Radio Brings into Your Home

THE Radio Program given above is an example of what you can hear over the radio almost any day. Clean, wholesome entertainment and important information is now broadcast daily from over 500 broadcasting stations. With an Airline Receiving Set you can listen to this whenever you like, no matter where you live.

A Necessity—Not a Luxury

Let us give you some definite examples of how radio information is right now serving the farmer. The U. S. Department of Commerce states that $10,000 worth of crops were recently saved in one small section of Illinois by giving farmers advance information of a cold wave. In Wisconsin, Station WLBL reports that they know of a case—only one of many—where a farmer who had a radio set, and who, therefore, was acquainted with the recent development in the cabbage market, got $800 more for a crop of equal size than did his neighbor, who had no set.





Radio Saves the Hay

U. S. weather report by radio said, "Wet spell coming." This farmer saved many times the cost of his radio set by acting on this timely warning and getting in his hay.

Clifford Farmer, a farmer of Greene County, Missouri, in a recent issue of Successful Farming tells of a neighbor who made $200 extra by following broadcast radio advice and holding his carload of cattle three days longer than the intended loading day.

Radio Saved His Apple Crop

Another neighbor of Mr. Farmer's says that he saved $30,000 worth of apples once when he heard through his radio that a cold wave was coming and got out his smudge pots and saved his crop.

Wm. M. Jardine, Secretary of Agriculture, says: "The importance of radio on the farm can not be exaggerated. The farmer's receiving set is a most convenient and efficient means of promptly acquiring information regarding the weather, crop conditions, market news and innumerable facts of value in his work, as well as a source of entertainment.

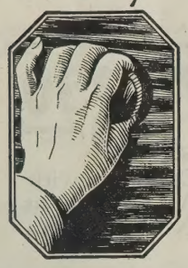
Easiest Set to Install

Mr. Lelon Peabody of Muskegon Heights, Mich., says: "We received the Airline Radio Set at 4:30, and at 6:00 o'clock we were receiving from KDKA. The easiest set to install and operate I ever saw. We had an Airline De Luxe for a year, but we wanted a five-tube set."

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Ward's Finest Radio Set

Airline Conqueror Very Selective



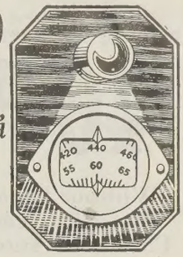
$127.00

Complete with All Equipment Nothing Extra to Buy

Single Dial Control Five Tubes

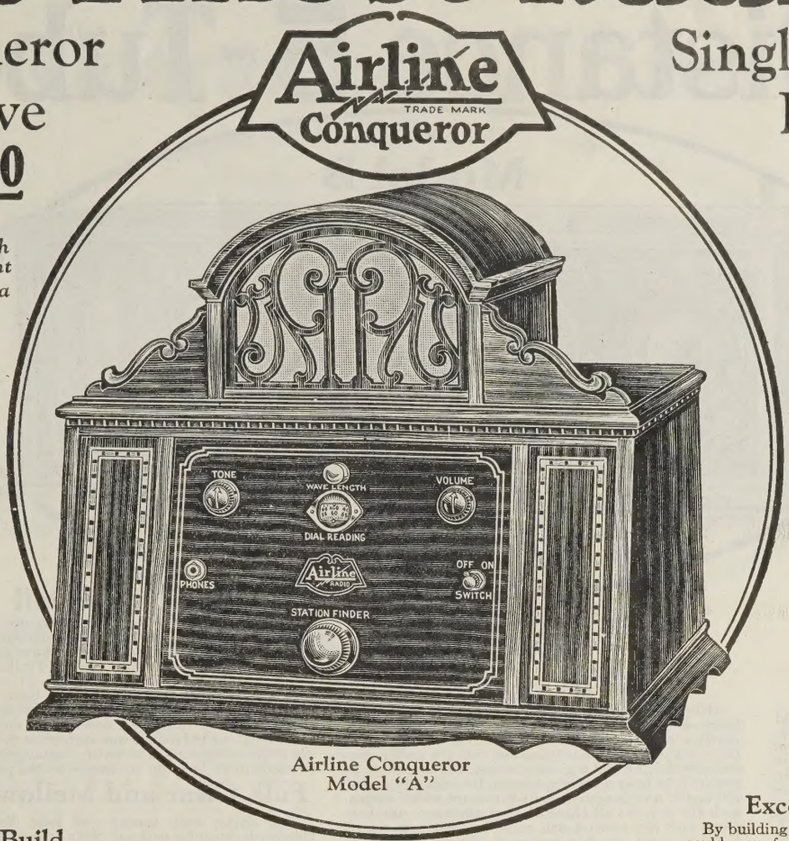
$95.00

Without Tubes, Batteries, Head Phones or Antenna Equipment



Easiest to Operate

Can you imagine a Radio Receiving Set that is as simple to operate as turning a door knob? Almost unbelievable isn't it? Yet that is just how easy it is to operate our Airline Conqueror. By turning only ONE dial you open the door to entertainment and adventure—you hear programs being broadcast from one end of the country to the other, selecting at will that which pleases you best. Whether it be market reports, the weather forecast, music or opera, you get it by simply turning ONE dial.



Airline Conqueror Model "A"

The Station You Want Quickly

The tuning dial on the Airline Conqueror reads directly in wavelengths, further simplifying its operation. No hunting or guessing at stations with this set. If you know the wavelength of the station you wish to hear you simply turn the Station Finder until that wavelength appears in the window under the pilot light. If the station is broadcasting, you will hear it. **Simple but positive.** The light illuminates the dial and tells you instantly whether the set is turned on or off.

The Finest Set We Could Build

WHEN you have seen and tried the Guaranteed Airline Conqueror you will say—"This is the set for me." No matter what sets you have previously heard or used, you will at once see the superiority of this new single control Radio Receiving Set. If you were an expert and set out to build yourself the ideal radio set without regard to cost, you could not possibly build a better one than the Airline Conqueror. If you employed the finest cabinet maker to build its cabinet, it would be like one of our models shown here.

Our engineers were told to build a radio set, regardless of cost, that would give the results of the finest sets made, without the usual complicated control. They brought us the Conqueror with just **One** dial to tune; a receiver that will give you the station you want without any guesswork, without any delicate adjustments and with all the volume, sweetness of tone and fine appearance of radio sets costing double the price. It is **the** perfected receiver and can be depended upon to serve you for years to come.

The Conqueror is an extremely long distance receiver. Atmospheric conditions permitting, it can be depended upon to receive programs from all parts of the United States and Canada. Most of these will be heard on the loud speaker, others on the head phones.

Easy to Install—No Experience Needed

We include with every set complete instructions plainly worded and illustrated, showing step by step just how to install the Airline Conqueror. Anyone can do it. With the aid of only a screw driver and a pair of pliers, you can complete the entire installation in about two hours time. No mechanical or electrical experience needed. All you have to do is erect your antenna in some convenient location, attach the ground wire, connect the batteries to plainly marked wires, insert the tubes, turn on the set and immediately you will begin enjoying radio programs.

One of the Most Selective Sets Made

With the Airline Conqueror you can have your choice of many fine programs every day. The set is exceptionally selective, allowing you to choose the program you wish without interference. You can "cut through" nearby high powered stations and bring in stations at a great distance clear and loud.

Its great selectivity makes it suitable for both city and country use. In large cities where several broadcasting stations are operating at one time it allows you to listen to the program you wish to hear. On the farm or in the small town its selectivity means added volume, greater distance and easier tuning.

Exceedingly Beautiful Cabinets

By building the Airline Conqueror into the finest cabinets we could manufacture we have made our best radio set our most beautiful as well. The cabinets are the finest we have seen and in each model you will find the highest degree of refinement combined with genuine radio utility.

The control panel on all models is finished in polished grained walnut with attractive silver gray lettering and pleasing etched design around the edges. Metal parts are gold plated.

Technical Description. The Airline Conqueror is a 5-tube tuned radio frequency receiver with oscillation controlled by separate rheostat.

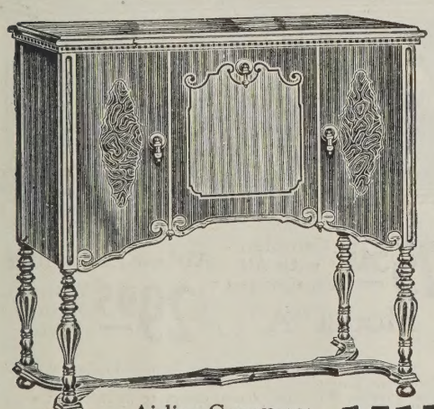
Model "A" Has Loud Speaker Built In

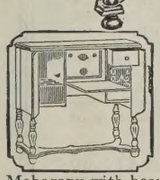
This model (shown above) has the Airline Loud Speaker built into the upper part of the cabinet. The mouth of the speaker is covered with a handsomely carved grille backed with gold cloth screen. Cabinet is finished in Genuine Walnut or Mahogany veneer with beautiful inlay work on the end panels. Size of cabinet, 26¾ by 30 by 14¾ inches. **State finish wanted. See "Estimated Total Freight Charges" on Page 328.**

563 D 101—Model "A" complete with all equipment as described on Page 328. Ship. wt., 185 lbs. ... **$127.00**

563 D 100—Model "A" without tubes, batteries, head phones, loud speaker, or antenna equipment. Shipping weight, 65 pounds ... **$95.00**

Same Set in Three Other Styles





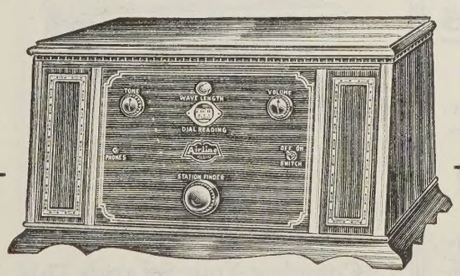
Airline Conqueror Model "D" English Period Tudor Console

$151.50 Complete

Model "D" is the guaranteed Airline Conqueror described above mounted in one of the most beautiful Console Cabinets we can build. It is an English Tudor Period design veneered with genuine Walnut or Mahogany with beautiful burl panels on end doors. Center door has handsome two-tone panel and top has ornamental beaded edge. Gracefully turned and fluted legs and artistically designed stretcher carry out the Period design. Compartment at left holds all batteries and right hand compartment contains the Airline Loud Speaker. Top raises for easy inspection of set. Size, 41 by 41 by 18 inches. **State finish wanted. See "Estimated Total Freight Charges" on Page 328.**

563 D 107—Model "D" complete with all equipment as described on Page 328. Ship. weight, 241 lbs. **$151.50**

563 D 106—Model "D" without tubes, batteries, head phones or antenna equipment. Shipping weight, 130 pounds ... **$119.50**



$118.00

Complete with All Equipment Nothing Extra to Buy

$80.00

Without Tubes, Batteries, Head Phones or Antenna Equipment

Airline Conqueror Model "B" Without Built-In Speaker

Model "B" is exactly like Model "A" shown above but does not have the built-in loud speaker. This allows you your choice of speakers. When purchased complete, however, we include the Airline Junior Loud Speaker shown on Page 333. Like Model "A", it is finished in your choice of Genuine Mahogany or Walnut Veneer with beautiful inlay work on the end panels. Size of cabinet, 30 by 14¾ by 15¾ inches. **State finish wanted. See "Estimated Total Freight Charges" on Page 328.**

563 D 103—Model "B" complete with all equipment as described on Page 328. Shipping weight, 174 pounds ... **$118.00**

563 D 102—Model "B" without tubes, batteries, head phones or antenna equipment. Shipping weight, 55 pounds ... **$80.00**



$144.00

Complete With All Equipment Nothing Extra to Buy

Airline Conqueror Model "C" in A Beautiful Desk

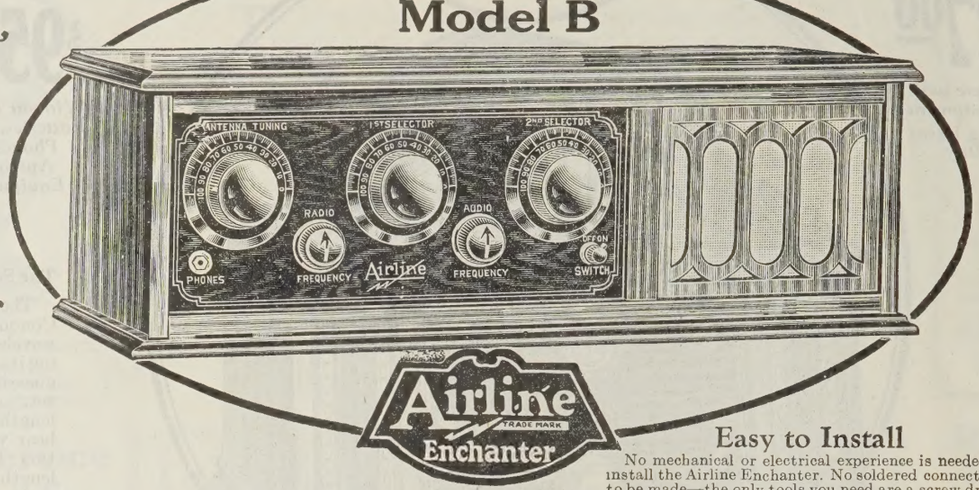
This is the Airline Conqueror Radio Receiving Set, described above, mounted in a beautiful full size writing desk, handsome enough for the best room in any home. Plenty of space for your books, documents and writing materials. Has a drawer for head phones; one lower compartment for batteries, battery charger, hydrometer and volt meters. Other lower compartment has bookshelf. Loud speaker built in as shown. The most practical and useful radio cabinet ever designed. Your choice of Genuine Walnut, Mahogany or Oak Veneer finish in beautiful two-tone effect. Size, 36½ by 46 by 15½ inches. **State finish wanted. See "Estimated Total Freight Charges" on Page 328.**

563 D 105—Airline Conqueror Model "C" complete with all equipment as described on Page 328. Shipping weight, 275 pounds ... **$144.00**

563 D 104—Airline Conqueror Model "C" without tubes, batteries, head phones or antenna equipment. Shipping weight, 173 pounds ... **$112.00**

Greatest Radio Value Anywhere
Long Distance 5-Tube Set

Airline Enchanter
Model B



Airline TRADE MARK Enchanter

$40.75

Without Tubes, Batteries, Head Phones or Antenna Equipment

If you already have some equipment for the radio set you want to buy, you can save money by reading the information on Page 329.

$78.50

Complete with All Equipment Nothing Extra To Buy



What Equipment Includes

The equipment included with all models of the Airline Conqueror and the Airline Enchanter, is illustrated above. It consists of an Airline guaranteed 6-volt 90-ampere hour battery, 90-volt Airline "B" battery, Airline Special head phones and 5 storage battery tubes. Also antenna equipment as follows: 100 feet bare copper wire, 50 feet lead-in wire, 25 feet insulated connecting wire, 2 porcelain antenna insulators, 4 porcelain knobs, new style lead-in connector, ground clamp, lightning arrester, screws and screw eyes and complete instruction. We also include voltmeter, hydrometer and "B" battery connecting wires.

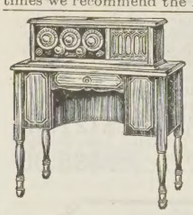
Technical Description of Airline Enchanter

The Airline Enchanter is a five tube tuned radio frequency receiver. Oscillation is controlled by the separate radio frequency rheostat.

An Ideal Set

LONG Distance, great selectivity, good volume and pleasing bell-like tone—you get them all in the Airline Enchanter. Nothing has been sacrificed in the way of tone quality or beauty to make the Airline Enchanter one of the best radio receiving sets for family use. It accomplishes all you would expect from this type of receiver. In addition it is remarkably easy to tune and attractive in appearance. It is all you want a good radio set to be. Never before has a set of such fine quality combining all these features, been sold at a price so low. By careful design, improved construction and the correct use of the best radio principles we have produced a radio set that is a true musical instrument and a most dependable receiver.

To buy the Airline Enchanter is to make an investment which will repay you in entertainment, education and information for many years to come. We do not believe that you will find another Radio Receiving Set of this type at our low price. For permanent satisfaction and perfect enjoyment of all benefits of radio at all times we recommend the Airline Enchanter.



Convenient and Beautiful

This illustration shows the Model "B" Enchanter in combination with the 163 D 830 Radio Table described below at right. Note how it adds to the appearance of the radio set and gives plenty of space for all batteries.

Very Easy to Operate

Although the Airline Echanter has three dials to tune—one more than on any other Airline set—it is vastly more simplified than most sets of this type. Here is the biggest advantage in this set—all three dials read alike for a given station, for instance, if you wish to hear a certain station broadcasting on a 400 meter wavelength consult the chart which comes with the set, set all three dials at the same number given and the station will come in loud and clear. Nothing could possibly be easier. By recording the dial settings of the station you are listening to, you can quickly come back to it at any time. No troublesome searching—no tuning with the head phones for your favorite station.

A Long Distance Receiver

Radio and atmospheric conditions permitting, the Airline Enchanter can be depended upon to receive programs from broadcasting stations in all parts of the United States and Canada. Most of these will be heard on the loudspeaker, others on the head phones.

Unusually Selective

The Airline Enchanter is an unusually selective set. It allows you to choose the program you want without interference from other broadcasting stations. You can cut through nearby high powered stations and bring in programs clear and loud from great distances. Because of this the Airline Enchanter gives exceptionally good results in large cities where several broadcasting stations are operating at one time. On the farm or in the small town this means added volume, greater distance and easier tuning.

Easy to Install

No mechanical or electrical experience is needed to install the Airline Enchanter. No soldered connections to be made—the only tools you need are a screw driver and a pair of pliers. Simply read and follow the simple complete directions included with each set. All battery wires are connected to the set before shipping—all you do is attach the plainly marked wires to properly designated batteries, erect your antenna, insert the tubes, turn the dials and immediately begin enjoying radio reception. The entire installation can easily be made in an hour by an inexperienced person.

Full, Clear and Mellow Tone

Selectivity, easy tuning and long distance mean absolutely nothing without clear tone. The true test of any radio set is in its ability to reproduce the programs exactly as they are broadcast. All that the radio world knows about "lifelike reproduction" is embodied in this receiving set. We can not give you better tone value.

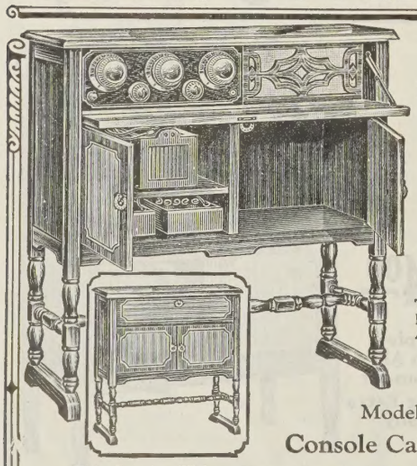
Fine appearance means nothing without tone quality—to please the eye is easy. But only tone—**full, clear and mellow**—can please the ear. Send for this set today.

Attractive Walnut Finish Cabinet

The cabinets on models "A" and "B" of the Airline Enchanter are made of high grade hardwood, plain in design but very attractive. The walnut finish is expertly applied and the cabinets present a very pleasing appearance. In all models the panel is of polished grained walnut with attractive etched lettering and pleasing design around the edge. Cabinet size, 29 by 12 by 10 inches. **See "Estimated Total Freight Charges" at bottom of page.**

563 D 179—Model "B" complete with all equipment as described below. Shipping weight 129 pounds. **$78.50**
563 D 178—Model "B" without tubes, batteries, head phones or antenna equipment. Shipping weight, 42 pounds..... **$40.75**

Same Set in Two Other Attractive Styles



$109.75 Complete with All Equipment Nothing Extra To Buy

$78.50 Without Tubes, Batteries, Head Phones or Antenna Equipment

Airline Enchanter
Model "C"
Console Cabinet Style

This Genuine Walnut Veneer Console Cabinet in the popular two-tone finish is a really beautiful piece of furniture as well as a convenient and ornamental mounting for the Airline Enchanter. Built by expert cabinet makers and finely finished, it is, without a doubt, the finest Console cabinet ever put on a set of this type. You can not find its equal anywhere at this price. It combines great beauty and real radio convenience. There is plenty of room in the three lower compartments for batteries, battery charger, and other accessories. All connections are made inside the set—no wires or loose ends to mar the beauty of your home. The two lower doors and the drop leaf front have attractive two-tone panels and neatly designed bronze ring pulls. When in operation the front leaf falls flat and acts as an arm rest. Top raises for easy inspection of set. Size, 37½ by 13 by 39 inches high. If you already have some equipment you wish to use, read information on Page 329. **See "Estimated Total Freight Charges" at right.**

563 D 187—Model "C" Complete with all equipment as described above at the right. Shipping weight, 200 pounds..... **$109.75**
563 D 186—Model "C" without tubes, batteries, head phones or antenna equipment. Shipping weight, 125 lbs. **78.50**



$14.45

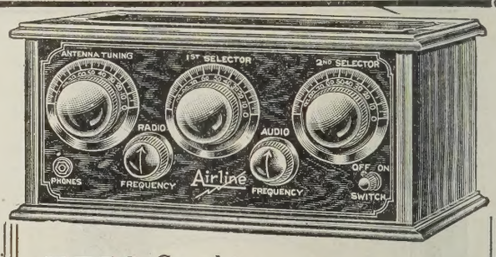
Complete Your Set with This Beautiful Walnut Finish Table

The graceful design and beautiful finish of this Radio Desk make it an attractive piece of furniture. We have designed it particularly to match the Airline De Luxe and Enchanter and its construction is such that it greatly adds to the appearance of either. It makes a highly pleasing furniture combination. It is finished in beautiful two-tone walnut with neatly turned legs. There is sufficient room at the back for all batteries, charger and other accessories. The small drawer in front will hold head phones, programs, magazines, and tools. Back of cabinet is open. There is a special shelf at the back to hold the separate loud speaker. Size of top, 36 by 16 inches. Height, 30 inches. Shipping weight, 60 pounds.

163 D 830..... **$14.45**

Estimated Total Freight Charges on Radio Sets

Ship. Wt.	150 Miles	300 Miles	500 Miles
100 pounds	$.74	$1.12	$1.78
125 pounds	.92	1.40	2.23
150 pounds	1.11	1.68	2.67
175 pounds	1.28	1.96	3.13
200 pounds	1.48	2.24	3.56
225 pounds	1.66	2.52	4.00
250 pounds	1.85	2.80	4.45



$75.50 Complete with All Equipment
Airline Enchanter
Model "A"
$29.95 Without Equipment

Model "A" shown above does not have the loud speaker built in. This allows you a choice of any speaker you may prefer. When purchased complete we include the Airline Junior Loud Speaker described on Page 333. When used on the console table as shown below, the model "A" makes a very attractive piece of radio furniture. There is a special shelf at the rear to hold the loud speaker. Size of cabinet, 19 by 10 by 8½ inches. If you already have some radio equipment, you can save money by reading the information on Page 329. See **"Estimated Total Freight Charges" at bottom of this page.**

563 D 183—Model "A" Complete with all equipment as described above. Shipping weight, 130 pounds **$75.50**



563 D 182—Model "A" without tubes, batteries, head phones or antenna equipment. Shipping weight, 23 pounds..... **$29.95**

Illustration to left shows the Model "A" Enchanter in combination with the 163 D 830 Radio Table described at left above. Note how it adds to the appearance of the radio set and provides ample space for all batteries.

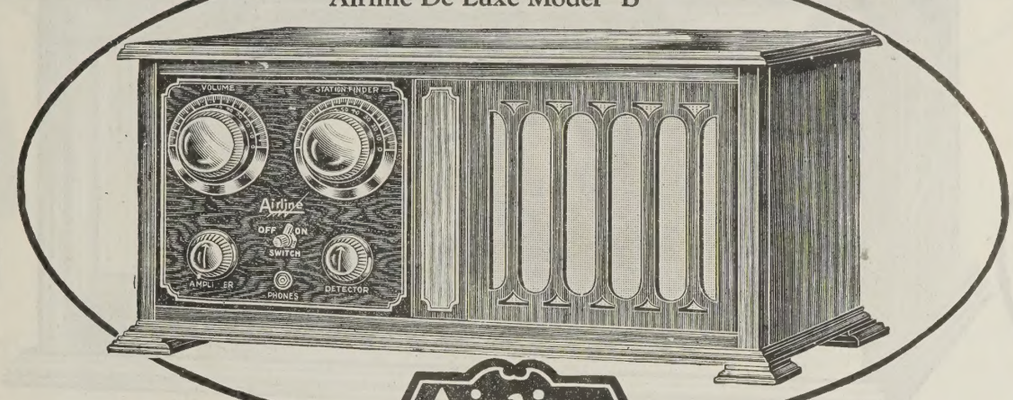
New Improved Airline De Luxe

TRADE MARK

A Guaranteed 3-Tube Set

$72.00
Complete
With All Equipment
Nothing Extra to Buy

Airline De Luxe Model "B"



$44.50
Without
Tubes, Batteries,
Head Phones or
Antenna Equipment



Built Especially
For the Farmer

Airline De Luxe

With Guaranteed
Loud Speaker
Built In

What Equipment Includes

The equipment included with the Airline De Luxe when purchased complete consists of a guaranteed Airline 6-volt, 90-ampere hour, storage "A" battery or four dry cells; 90 volts Airline "B" battery; Airline Special head phones and three tubes. Also parts for an efficient antenna consisting of 100 feet copper wire, 25 feet ground wire, 50 feet insulated lead-in wire, four porcelain insulator knobs, two antenna insulators, new style lead-in, ground clamp, screws, and book of instructions. We also include a hydrometer, volt-meter, and "B" battery connecting wires.

Technical Description

The Airline De Luxe is a non-radiating three-circuit tuner. The primary is adjustable for selectivity.

Licensed Under Armstrong Patent No. 1,113,149 for Amateur and Experimental Use Only.

Ideal for Daylight Reception

EVERY farm home needs a Radio Receiving Set. This improved Airline De Luxe, which now contains the latest radio developments is a regenerative, non-radiating set combining great distance, volume, tone quality, simplicity of installation and tuning, and handsome appearance with low price and small operating cost. It is the most selective 3-tube radio set you can buy. Will give very good results during the daytime for reception of market and weather reports. Covers extremely long distance at night.

When used where there are no large broadcasting stations within 15 miles, it will bring in clearly almost all the big broadcasting stations in the country and will give results equal to larger and more expensive sets used in cities like New York and Chicago.

Very Easy to Install

No mechanical or electrical experience is needed to install the Airline De Luxe. The entire installation can be completed by anyone in an hour's time. No soldered connections to make—the only tools necessary are a screw driver and a pair of pliers. All battery wires are connected to the set when you receive it—all you have to do is erect your antenna in some convenient and proper location, attach your batteries to plainly marked wires, insert the tubes, turn the dials and immediately you are enjoying radio programs.

Extremely Easy to Operate

With this Radio Receiving Set you get a chart showing the dial settings required to tune in various wavelengths. There are only two dials to tune and it is a very simple matter to get successful results with the Airline De Luxe. Suppose for example, you read in your local paper that a certain station will broadcast at 8 o'clock on a 400-meter wavelength. Simply turn to your chart, note the dial settings required to tune in this wavelength. Then at 8 o'clock set your dials accordingly. The station will come in clear and strong. No radio set of this type is easier to operate than the Airline De Luxe.

Storage Battery Type Recommended

The Airline De Luxe is made for use with either dry cells or storage battery. We recommend whenever possible the use of storage battery equipment, as storage battery tubes are slightly more reliable and sometimes give greater distance and more volume. Storage batteries are easily charged at home with a battery charger such as shown on Page 335, or any battery service station will charge your battery for you at small cost.

Beautiful Finished Cabinets

The Airline De Luxe is mounted in the best cabinet ever put on this type of set. Except for the cabinets on the Airline Conqueror, these are the finest in our entire line. They are finished in rich walnut with attractive paneled two-tone effects. Control panel is finished in polished grained walnut with silver gray lettering.

Model "C" Speaker Built In

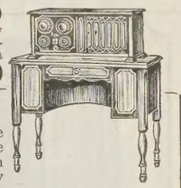
This model has the Guaranteed Airline Loud Speaker built in. The cabinet is 25½ by 12 by 12 inches. **See "Estimated Total Freight Charges" on Page 328.**

563 D 154—Model "B" Storage Battery Type complete with all equipment as described at left of page. Shipping weight, 125 pounds..... **$72.00**

563 D 155—Model "B" Storage Battery Type without tubes, batteries, head phones or antenna equipment. Shipping weight, 39 pounds..... **$44.50**

563 D 157—Model "B" Dry Cell Type complete with equipment as described at left of page. Ship. weight, 90 pounds..... **$64.50**

563 D 158—Model "B" Dry Cell Type without tubes, batteries, head phones or antenna equipment. Ship. wt., 39 pounds..... **$44.50**



The Radio Table

To complete the set we suggest the addition of the beautiful radio desk table as shown at the right. This provides room for all batteries and eliminates entirely the usual disorder about the radio set.

Summer Radio

Summer radio is going to be better than ever this year. Your favorite broadcasting stations are making an especial effort to please you—giving you a large variety of good programs and many of them using super power so that you can hear them clearly even in daytime in summer.

As you probably know, static or atmospheric electricity, the unexplained and unconquered foe of radio, is at its worst during the summer months. This static makes distant radio reception difficult because it prevents the broadcasting stations from penetrating as far as in winter.

Of course, there are some nights in summer that are nearly as good for reception as the winter nights, but as a general rule, good reception from great distances in summer is very unusual and every radio set made, no matter how expensive, is affected by these conditions.

We guarantee that Airline Radio Receiving Sets will give just as good and usually better results, both winter and summer, as any other sets you can buy, regardless of price.

If You Already Have Some Equipment

So that you may be saved the cost of any equipment you now have, we allow you to deduct the price of equipment you do not want as indicated below. This applies to any Airline Radio Set you may select. **Simply state in your order the equipment you do not wish us to send with the set and deduct the amounts as indicated below.**

For each tube, deduct	$1.75
For each Dry Cell, deduct	.34
For storage "A" battery, deduct	10.25
For each 22½-volt "B" battery, deduct	1.29
For each 45-volt "B" battery, deduct	2.80
For antenna equipment, deduct	2.85
For Head Phones, deduct	2.10
For Airline Junior Loud Speaker, deduct	$5.95

Improved Airline De Luxe Convenient Desk Model



$110.00
Complete
with All
Equipment
Nothing
Extra to
Buy

$81.75
Without Tubes,
Batteries, Head
Phones or
Antenna
Equipment

Airline
De Luxe
Model "C"

The Airline De Luxe in a Practical Desk Cabinet

Here you have this wonderful Airline De Luxe built into a full size Writing Desk. It is a useful piece of furniture, well made, handsome in appearance and good enough for any room in the home.

Plenty of space for books, records, writing materials and other things usually kept in a desk. Drawer space for head phones, radio programs and other equipment. One lower compartment for batteries and charger; other compartment has book shelf. Front can be locked.

Think of the convenience of tuning in with this set. Drop front makes convenient arm rest. A place for everything—does not have that disorderly, untidy appearance found around many radio sets.

This handsome desk is finished in your choice of genuine Walnut, Mahogany or Oak veneer, rubbed to a beautiful soft finish. Three pigeonholes and one small drawer in top and two large drawers below. Size, 36½ by 46 by 15½ inches. **See "Estimated Total Freight Charges" on Page 328.**

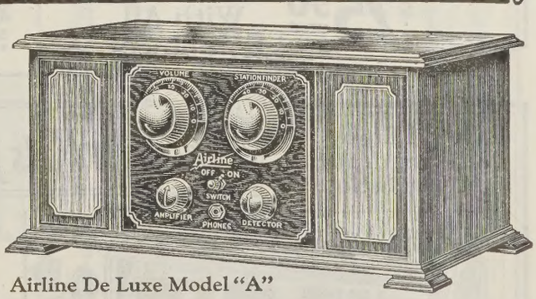
563 D 175—Model "C" Storage Battery type, complete with all equipment described above at left. Shipping weight, 269 pounds..... **$110.00**

563 D 174—Model "C" Storage Battery type, without tubes, batteries, head phones or antenna equipment. Shipping weight, 182 pounds..... **$ 81.75**

563 D 177—Model "C" Dry Cell type, complete with equipment as described above at left. Ship. wt., 220 lbs. **101.25**

563 D 176—Model "C" Dry Cell type without tubes, batteries, head phones or antenna equipment. Shipping weight, 182 pounds..... **$81.75**

Improved Airline De Luxe Without Loud Speaker Built In



Airline De Luxe Model "A"

$69.35 Complete with All Equipment

$35.85 Without Equipment

This model, without the built-in loud speaker, allows you to use a loud speaker of your own choice. When purchased complete, however, we include our Airline Junior—a splendid reproducer and a fit companion for the Airline De Luxe.

See information at left if you already have some equipment. **See "Estimated Total Freight Charges" on Page 328.**

563 D 160—Model "A" Storage Battery type complete with all equipment as described above at left of page. Shipping weight, 135 pounds..... **$69.35**

563 D 161—Model "A" Storage Battery type without tubes, batteries, head phones, loud speaker or antenna equipment. Shipping weight, 38 pounds..... **$35.85**

563 D 163—Model "A" Dry Cell type complete with all equipment described above at left of page. Ship. wt., 89 lbs. **61.75**

563 D 164—Model "A" Dry Cell type without tubes, batteries, head phones, loud speaker or antenna equipment. Shipping weight, 38 pounds..... **$35.85**

The Radio Table

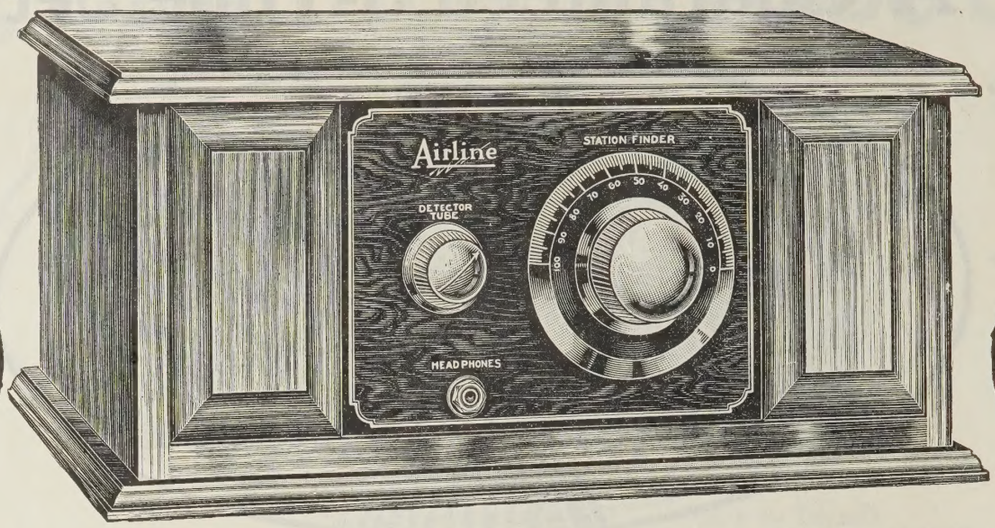
Model "A" Airline De Luxe is shown at the right in combination with the radio desk table. This table is fitted with compartments for batteries and is built especially for radio use. Makes an unusually attractive piece of furniture for the home. It is completely described on Page 328.



Long Distance 1-Tube Set

Very Selective — *Fine Tone Quality*

The Airline Junior for Use with Head Phones



The Airline Junior for Use with Head Phones

$12.95 Without Equipment

$19.95 With Equipment

Ideal for Portable Use

A LONG DISTANCE One-Tube Airline Radio Receiving Set that will give excellent results. It combines handsome appearance, natural tone, low price and small operating cost with extreme simplicity of operation. Only one dial to tune. All batteries are contained within the cabinet. You can set it anywhere in the house. You can take it with you on your auto or camping trip. Just attach the antenna wire to a nearby tree, connect the ground wire to a pump or run it into a stream of water, plug in the head phones and listen in. Radio and atmospheric conditions permitting the Airline Junior will receive from stations up to 1000 miles distant.

Anyone Can Install It

We include with all Airline Radio Sets complete instructions, plainly worded so anyone can understand them. In about an hour's time with the aid of only a screw driver and a pair of pliers, you can complete the entire installation. The battery wires are all connected to the set when you receive it—all you need to do is erect the antennas, connect the wires to the plainly marked batteries and insert the tube. Then plug in the head phones and turn the station finder. You will immediately begin enjoying programs.

Beautiful Walnut Cabinet

The handsome Walnut finish cabinet is designed to hold ALL the batteries. All wire connections are made at back of cabinet, where they can not be seen. We do not know of any other one-tube set having a cabinet as handsome and ornamental as this. It is a very fine piece of furniture and you will be proud to have it in any room in your home.

The control panel is sloped back slightly giving a more attractive appearance. Has neatly engraved dials and etched silver gray design around the edges—a pleasing contrast against the beautifully grained walnut finished panel. Size of cabinet, 15⅜ by 8⅜ by 8 inches high.

Easy to Operate—Only One Dial

No Radio set can possibly be easier to operate than the Airline Junior. By turning only one dial you select the station you wish. With every set we include a wavelength chart. The tuning has already been done for you. If you see in your local paper that a certain station will broadcast a program at 8 o'clock on a 400-meter wavelength, refer to your chart, note the dial setting required for 400 meters, set your dial at that point and the station will come in strong and clear if it is broadcasting.

Programs Clear and Loud on Phones

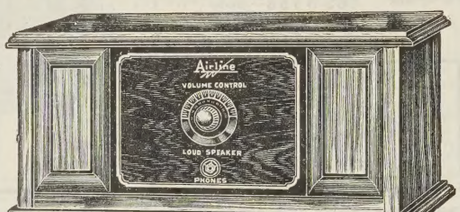
Even though you do not feel that you wish to buy one of the larger Airline Radio Sets, there is no need to miss the benefits and pleasures of radio. The Airline Junior will bring them to you, no matter where you live. It is designed for use with head phones and we include one pair of Airline Special Head Phones, but by adding additional head sets, two or more people can listen at the same time. Most of the programs will be heard about as loudly as you can hear your neighbor's voice over the telephone. If you wish to use a loud speaker you may add the Airline Amplifier unit shown below at left.

Technical Description

The Airline Junior is a two-circuit Ultraudion receiver with an aperiodic primary, Condenser tuned secondary. **Licensed under Armstrong Patent Number 1,113,149 for Amateur and Experimental Use.**

563 D 151—Airline Junior complete with all equipment as described below. Shipping weight, 35 pounds... **$19.95**

563 D 150—Airline Junior without tubes, batteries, head phones or antenna equipment. Ship. wt., 13 lbs.. **12.95**



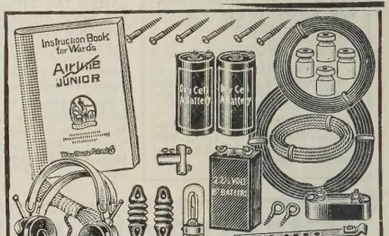
$25.90 Complete With All Equipment

To Get Loud Speaker Volume Add This Airline Amplifier

You can make your Airline Jr. or any other one-tube radio set into a three-tube set and get programs with volume enough to operate a loud speaker by ordering this amplifying unit and any of our loud speakers. It comes all complete and it is but a few minutes' work to connect it to your set. Then plug amplifier connecting cord into head phone jack and plug loud speaker into amplifier and the programs will come in loud enough so all may hear. Has control for adjusting volume. Finished in walnut and matches the Airline Junior exactly in size and finish. Complete equipment includes two C-12 or WD-12 tubes, 90-volt Airline "B" battery and dry cell "A" batteries. Size of cabinet, 15⅜ by 8⅛ by 8 inches.

563 D 136—Airline Amplifier complete with all equipment as described. Shipping weight, 50 pounds..... **$25.90**

563 D 135—Airline Amplifier without equipment. Shipping weight, 13 pounds..... **14.95**



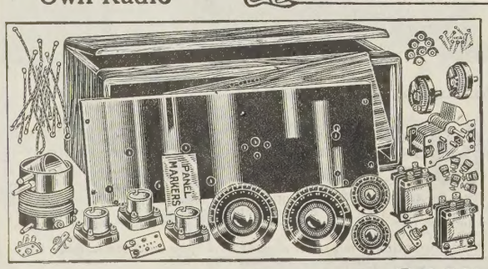
The Equipment Included with the Airline Junior

Consists of one 1½-volt tube, one 22½-volt Airline "B" battery, two dry cell "A" batteries, Airline Special head phones and complete parts for an efficient antenna. We also include an instruction book showing how to install and operate the set.

You'll Enjoy Building Your Own Radio

Quality Kits for Those Who Like to Build Radio Sets

No Previous Experience Necessary



3-Tube Three-Circuit Tuner **$21.95**

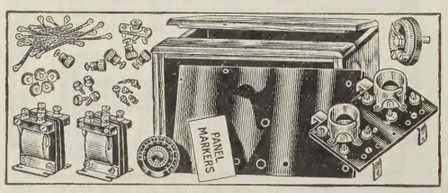
This Receiving Set will give you distance with loud speaker volume and good selectivity. It is a combination of both the Amplifier and the one-tube three-circuit tuner shown at the right. Radio engineers claim this circuit can not be excelled for general reliability and dependable volume.

What the Set Includes

The complete parts consist of three bakelite base, metal shell sockets; one 10-ohm and one 20-ohm rheostat; two 2-inch rheostat dials; one Airline .0005 mfd. low loss variable condenser, one Airline three-circuit tuner; two 3-inch tuning dials; two Airline unshielded amplifying transformers; grid leak and grid condenser; one double and one single circuit jack; 6 binding posts; necessary wires cut to length and fitted with connectors; one single hole condenser adapter; one battery switch; necessary wood screws; one 7 by 18-inch hard rubber panel already drilled; one baseboard and an attractive Adam Brown mahogany finished cabinet, size, 7 by 18 inches. Ward's price is far below that usually asked for this quality. Shipping weight, 21 pounds.

563 D 256—Complete unassembled, three-tube, three-circuit tuner Kit. For use with your own tubes, batteries, loud speaker and antenna..... **$21.95**

BUILDING your own Radio Sets is great fun and splendid radio instruction. Three popular types of sets are shown here. We have made their assembly so easy that anyone can do it in a few hours' time. We have done all the hard work for you—there is absolutely no soldering to do and no holes to drill. The only tools you need are a screw driver and a pair of pliers. The wires are all cut to the proper lengths and are fitted with connectors to go under the binding posts. All you have to do is mount the instruments on the already drilled panel, connect the wires as shown in the instruction book and slip the panel into the cabinet. The set is then ready to operate. No previous radio experience is required.



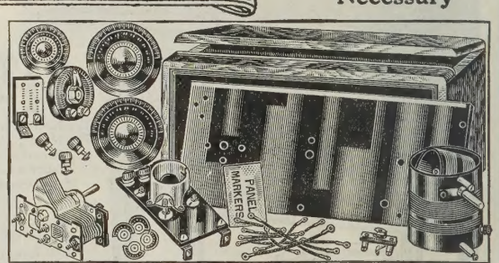
2-Tube Audio Frequency Amplifier **$11.65**

This two-tube two-stage Amplifier can be used with the one-tube set at the right, the Airline Junior above or any other one-tube set to make it into a 3-tube set and give it loud speaker volume.

What the Set Includes

The complete parts consist of two Airline Audio Frequency amplifying transformers; one double socket with five binding posts already mounted; one 20-ohm rheostat; one 2-inch rheostat dial; two input binding posts; one open circuit jack; all necessary wires cut to length and fitted with connectors; one 6 by 10½-inch hard rubber panel with holes already drilled and a handsome 6 by 10½-inch cabinet handsomely finished in Adam Brown. Shipping weight, 15 pounds.

63 D 255—Complete unassembled Amplifier Kit. For use with your own tubes, batteries and loud speaker. **$11.65**



1-Tube Three-Circuit Tuner **$9.95**

A splendid one-tube Radio Receiving Set that will give excellent results. It is the ideal set for the beginne in radio construction and any boy will appreciate it as a gift. The three-circuit construction makes it quite selective and the set brings in stations at great distances with remarkable clearness. All the hard work has been done; all holes drilled and wires cut to proper lengths and fitted with connectors; no soldering. Anyone can put it together in a very short time.

What the Set Includes

Complete parts consist of one Airline three-circuit tuner; one Airline .0005 mfd. low loss variable condenser; one panel mounting socket unit with three binding posts already mounted; one 20-ohm rheostat; one 2-inch rheostat dial; two 3-inch tuning dials; one grid condenser and leak; one open circuit jack; all necessary wires cut to proper length and fitted with connectors, 6 by 16-inch hard rubber panel with all holes already drilled and a handsome Adam Brown Mahogany finish cabinet, size, 6 by 16 inches. Ward's prices save you money. Shipping weight, 14 pounds.

63 D 254—One-tube unassembled three-circuit Kit. For use with your own tubes, batteries, head phones and antenna. **$9.95**

We Sell Only the Best Radio Tubes



$1.75 Genuine Cunningham Tubes

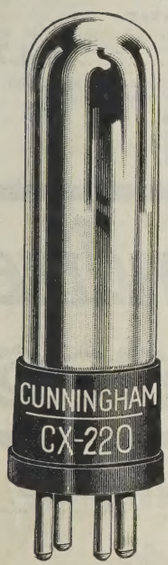
$1.75 Genuine Radiotron Tubes



THIS season a new and improved base is used for all radio tubes. No change of any kind has been made in the characteristics of the tubes—the base only is changed. The new base gives a much better electrical contact and permits of more compact radio set construction. This base is known as the X base and is now incorporated on all tubes so that one socket will fit all types. This makes it unnecessary to have special sockets for some tubes as is now the case. With the exception of the CX-299 and UX-199, these new tubes will fit all present storage battery tube sets in addition to the new X socket. We will continue to sell the WD-11, C-11, UV-199 and C-299 for those having sets using this type.

In accordance with our 54-year old policy of never sacrificing quality to make a low price, we offer you only the genuine Cunningham (CX) and Radiotron (UX) Tubes. These tubes have been standard for years and can be depended upon for absolute uniformity in construction. They give better tone, more volume and have a longer operating life. Manufactured in the world's largest tube factories, they can be relied upon to get the most from your set. For general reliability, it has been determined by various tests that Cunningham and Radiotron tubes are not surpassed. Our prices for these Genuine Radiotron and Cunningham tubes show you a substantial saving.

All Cunningham Tubes Marked (CX)—All Radiotron Tubes Marked (UX)



Types CX-300, CX-301A and UX-200, UX-201A

These Tubes correspond to the former C and UV tubes of the same numbers and can be used in the same sockets. They also fit the new X socket.

63 D 5083—CX-300 Detector tube 6-volt.....**$1.75**
63 D 5084—UX-200 Detector tube. 6-volt.....**$1.75**
63 D 5085—CX-301A Detector and amplifier tube. 6-volt....**$1.75**
63 D 5086—UX-201A Detector and amplifier tube. 6-volt....**$1.75**
Postage, each, 10¢ extra

Power Amplifier Tubes

Designed to give increased volume when used in the second stage of Audio Frequency. The CX-220 and UX-120 require the special X socket. The CX-112 and UX-112 can be used in either the new X socket or the present storage battery socket.

63 D 5091—CX-220 4½-volt power amplifier tube.....**$1.75**
63 D 5092—UX-120 4½-volt power amplifier tube.....**$1.75**
Postage, each, 10¢ extra

Our Radio Tube Guarantee

Every Radio Tube is tested before shipment and is guaranteed to be perfect. If you follow our instructions and use reasonable care, there is little danger of tubes being burned out. We trust to your fairness not to return tubes for credit or adjustment except in case where the tube arrived in damaged or imperfect condition. **We can not be expected to replace tubes burned out through mistakes or accidents due to no fault of ours.**

If Prices Change

The regular retail price on Cunningham (CX) and Radiotron (UX) Radio Tubes is $2.50 Should this price be reduced at any time, we will lower our prices to one fifth less than the new list price. Should the new list price be increased, we will, during the life of this catalogue, continue to sell tubes at our established price of $1.75.

Prices on Power and Eliminator Tubes

The prices quoted on this page for power tubes and rectifiers are one fifth less than the established list price on these tubes. Should the price be reduced on these tubes during the life of this catalogue we will also lower our price to one fifth less than such prices.

Types C-11, WD-11, C-299 and UV-199

As the new X base tubes will not fit sets using these tubes we are continuing to sell types C-299, UV-199, C-11 and WD-11. These tubes are identical to X tubes of the same numbers, except for the base.

63 D 5197—C-299 **$1.75**
63 D 5227—UV-199 **1.75**
63 D 5195—C-11 **1.75**
63 D 5228—WD-11 **1.75**
Postage, each, 10¢ extra

Types CX-12 and WX-12

These Tubes correspond to the former C and UV tubes of the same numbers and can be used in the same sockets. They also fit the new X socket.

63 D 5089—CX-12 Detector and amplifier tube. 1½-volt.....**$1.75**
63 D 5090—WX-12 Detector and amplifier tube. 1½-volt.....**$1.75**
Postage, each, 10¢ extra

Types CX-299 and UX-199

These Tubes correspond to the former C and UV tubes of the same numbers. They do not, however, fit the same sockets. They fit the new X socket. By using adapters shown on Page 334 they fit the present storage battery sockets

63 D 5087—CX-299 Detector and Amplifier. 4½-volt.....**$1.75**
63 D 5088—UX-199 Detector and Amplifier. 4½-volt.....**$1.75**
Postage, each, 10¢ extra

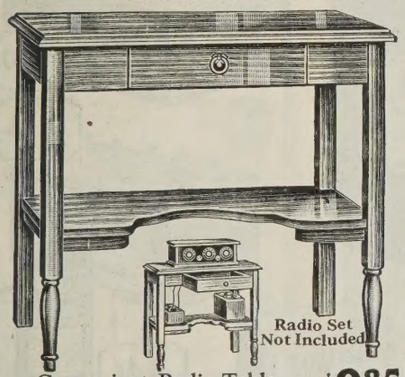
"B" Battery Eliminator Tubes

A more efficient tube for "B" battery eliminator use.

63 D 5094—CX-316 B.....**$6.40**
63 D 5095—UX-216 B..... **6.40**
Postage, 10¢ extra

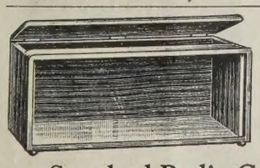


Beautiful Radio Cabinets and Stands at Money Saving Prices



Convenient Radio Table Walnut Finish — $9.85

This high grade walnut finished Radio Stand is a beautiful piece of furniture as well as a convenient mounting for your radio set. Place the set on top and the batteries on the shelf below. Portion of shelf is cut away to allow you to sit close to table. Has small drawer for head phones and accessories. The radio bench shown at the lower right makes a comfortable seat to match this stand. Size of top, 32 by 18 inches. Height, 30 inches. Shipping weight, 56 pounds. **Can be shipped by freight or express only.** Radio set not included.
163 D 827.....**$9.85**



$2.45
6 by 7 Inches

Standard Radio Cabinets

A beautiful Adam Brown Mahogany finished Cabinet for your radio set. Made of select hardwood rubbed to a beautiful finish. Protects set from dust. Takes standard panels listed below. Most commonly used type.

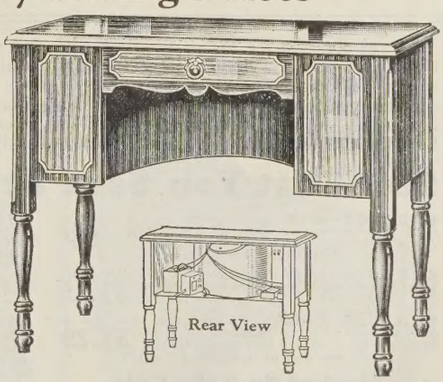
Article Number	For Panel Size, In.	Depth	Each	Post. Extra
663 D 6650	6 by 7	7 in.	$2.45	14¢
663 D 6652	6 by 10½	7 in.	2.70	16¢
663 D 6654	6 by 14	7 in.	3.35	18¢
663 D 6946	7 by 12	7 in.	2.45	20¢
663 D 6949	7 by 18	7 in.	4.00	22¢
663 D 6944	7 by 21	7 in.	4.40	32¢
663 D 6953	7 by 24	7 in.	4.60	32¢
663 D 6950	7 by 26	7 in.	4.95	34¢
663 D 6951	9 by 16	10 in.	4.80	36¢



Walnut Veneer Console Cabinet — $39.50

Put Your Set in a Console Cabinet

Your set deserves a good Cabinet and we know of few others which will give you as much satisfaction as this beautiful Console model. Finished in genuine Walnut veneer and built by master cabinet makers. It has an abundance of room in the three compartments for batteries, battery charger and other accessories. All connections can be made inside cabinet —no wires or loose ends are exposed. Any present day standard set can be built into the top compartment which will take a 7 by 33-inch panel. Smaller size panels can be built in by blocking ends with wood pieces. Top closes down and protects from dust. Front leaf opens flat. Bottom divided into three compartments. One is 17 by 12 inches; the other two are each 17 by 6 inches. Cabinet is 37½ inches long by 13 inches deep by 39 inches high. Has antique design ring pulls on doors and front leaf. Shipping weight, 106 pounds. **Can be shipped by freight or express only.**
163 D 825.....**$39.50**



Radio Desk Table Two-Tone Walnut Finish — $14.45

A beautiful Radio Stand in two-tone Walnut finish. A truly attractive piece of furniture. When used with the Radio Bench shown below it makes an attractive and useful combination. Its construction will appeal particularly to the radio owner who wants a desk as well as a table for his radio set. There is sufficient room inside for all batteries and battery charger. The drawer will hold headphones and tools. Access to battery compartments is through rear of cabinet. Size of desk at top, 36 by 16 inches. Height, 30 inches. Batteries and charger illustrated in rear view are not included. Shipping weight, 60 pounds. **Can be shipped by freight or express only.**
163 D 830.....**$14.45**

Walnut Finish Radio Bench



$3.25
Matches Table Above

A well made Radio Bench or seat that will add to the beauty and convenience of your radio set. Is walnut finish and matches especially well with the desk table listed above. Attractively designed with gracefully carved legs. Size of top, 10½ by 18½ inches. Height, 18½ inches. Shipping weight, 20 pounds. **Can be shipped by freight or express only.**
163 D 823.....**$3.25**

Genuine Bakelite Panels

These genuine black bakelite Radio Panels are smooth and true, with clean, square cut edges. Easy to drill. Accurately cut to fit standard size cabinets listed at left. Thickness, 3/16 inch.

Article Number	Size Inches	Each	Postage Extra
63 D 6680	6 by 7	$.83	8¢
63 D 6681	6 by 10½	1.25	8¢
63 D 6682	6 by 14	1.65	10¢
63 D 6977	7 by 12	1.68	10¢
63 D 6685	7 by 18	2.45	12¢
63 D 6720	7 by 21	2.85	12¢
63 D 6726	7 by 24	3.20	12¢
63 D 6980	7 by 26	3.75	12¢
63 D 6981	9 by 16	4.95	14¢

Hard Rubber Radio Panels

High insulation Radio Panels made of rubber base composition in glossy black finish. Cut true and clean. Easy to work and can be easily cut to special sizes. Will not absorb moisture and can not warp or crack. Improves appearance of any set. Accurately cut to fit standard size cabinets shown at left. Our low prices mean a great saving to the set builder. Thickness, 3/16 inch.

Article Number	Size Inches	Each	Postage Extra
63 D 6710	6 by 7	$.39	8¢
63 D 6711	6 by 10½	.57	8¢
63 D 6712	6 by 14	.78	8¢
63 D 6799	7 by 12	.76	10¢
63 D 6715	7 by 18	1.14	10¢

Guaranteed for 2 Years

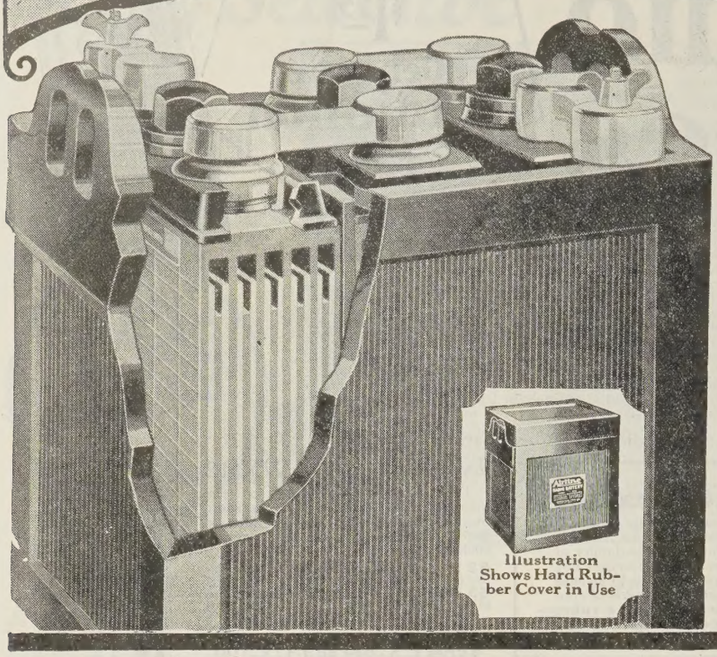


Illustration Shows Hard Rubber Cover in Use



Airline TRADE MARK **Radio Batteries**

$6.95
60-Ampere Hour Size Without Lid

Specially Designed Storage "A" Battery

AIRLINE Guaranteed Radio Storage "A" Batteries give the best results because they are specially designed for radio use. Made with extra strong lead plates, specially constructed of tested materials. Only the finest cedar spacers are used between the plates. Very quiet in operation and free from internal noises. Built to stand a very slow discharge and irregular charging periods. We know that these batteries are just as perfect as they can be built and we guarantee each battery to give 2 years of satisfactory radio service. If properly cared for, Airline Radio Batteries will give many years of perfect service. The cells are tightly sealed in the molded rubber case which is acidproof and sweatproof and will last indefinitely. The molded handles at the ends are extra strong. Wing nuts are provided on the terminals for connecting the battery wires.

In every detail, Airline Guaranteed Radio Batteries are carefully made and handsomely finished. In three sizes, but in only one quality—the best.

Airline Radio Storage Batteries without Cover

263 D 430—6-volt 60-ampere hour battery. Size, 6½ by 9¼ by 6½ inches long. Shipping weight, 30 pounds. **$6.95**

263 D 431—6-volt 100-ampere hour battery. Size, 6⅞ by 9⅜ by 9⅛ inches long. Shipping weight, 42 pounds. **$10.25**

263 D 432—6-volt 150-ampere hour battery. Size, 9½ by 7 by 13⅛ inches long. Shipping weight, 62 pounds. **$14.75**

Shipped from Factory near Kansas City or Saint Paul, whichever is nearest you.

Hard Rubber Covers for above Batteries

63 D 465—Cover for 60-ampere hour battery **75¢**
63 D 466—Cover for 100-ampere hour battery **85¢**
63 D 467—Cover for 150-ampere hour battery **95¢**
Postage: 10¢, 12¢ and 14¢ extra

We Sell Only the Kind of Merchandise that Will Stand Your Inspection and Use

Airline "B" Batteries

Last Longer and Give Better Reception

For clearer, better radio reception with full volume, use Airline "B" Batteries, the finest product of the world's largest battery manufacturer. Airline "B" Batteries are made specially for us in enormous quantities and are exactly the same quality as batteries selling for almost double our low price. Buy your "B" batteries from Montgomery Ward & Co. and you will be sure of getting fresh, strong batteries of full rated power. Each battery is carefully made, perfectly sealed, plainly marked and of uniform high quality.

See What You Save at These Low Prices

63 D 5685—Small size, 22½-volt type. For use in small sets where space is limited. Size, 2 by 2½ by 3 inches **98¢**
Postage, 10¢ extra

63 D 5686—Large size, flat type, 22½-volt size. For use in one-tube sets. Five taps. Size, 3 by 4 by 6½ inches **$1.35**

63 D 5687—Upright, 22½-volt size. For use in one-tube sets where batteries are contained within cabinet. Size, 3 by 4 by 6½ inches. **$1.29**
Postage, flat or upright, 12¢ extra

Standard No. 6 Dry Cells

For use in all sets operated by dry cells.
63 D 2501—Each **34¢**
63 D 2503—3 dry cells **99¢**
Postage: 6¢ and 14¢ extra

63 D 5688—Flat type, 45-volt size. For use in 3 to 5-tube sets. Tapped for detector tube. Size, 3¼ by 7 by 8 inches **$2.80**

63 D 5689—Upright, 45-volt size. For use in pairs in Airline DeLuxe sets and other sets where batteries are contained within the cabinet. Size, 3¼ by 7 by 8 inches. Tapped **$2.80**
Postage, flat or upright, 24¢ extra

63 D 5690—Jumbo size, 45-volt type. Particularly recommended for all Airline 5-tube sets and all other 5-tube sets, superheterodynes and reflex sets. Size, 8¼ by 4½ by 7¾ inches. Tapped. Jumbo batteries last longer **$3.95**
Postage, 32¢ extra

Standard "C" Battery Unit

63 D 5623—Three-cell 4½-volt "C" Battery Unit (not Airline) **39¢**
Postage, 4¢ extra

A Size for Every Purpose



"B" Battery Eliminator



$33.75

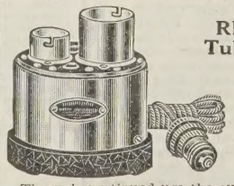
Does Away with "B" Batteries

Takes the place of "B" batteries and operates direct from the electric light socket. Gives a smooth, constant current that never varies in strength. Delivers up to 108 volts and has taps for 22½ and 45 volts. Suitable for any radio set using from 1 to 10 tubes. Consumes less current than an ordinary 25-watt light bulb. Uses two 201-A or 301-A tubes. For use on 110-volt, 60-cycle alternating current only. Mounted in a neatly finished metal cabinet. Size, 12 by 7 by 5 inches high. Complete with about 6-foot cord, attaching-plug and instructions for use. Tubes not included. **$33.75**
63 D 5599 **Postage, 46¢ extra**

Unassembled Eliminator

The "B" Battery Eliminator is also supplied in unassembled form. All instruments are mounted on baseboard, size, 7¾ by 14 inches. Unwired and not in cabinet. Complete instructions for wiring included. Very simple and easy to construct. **$24.95**
63 D 5931 **Postage, 46¢ extra**

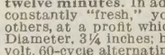
Rhamstine Tube Booster



$4.79

Bring Your Old Tubes Back to Life

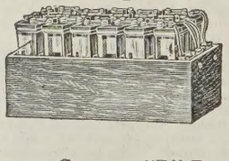
Through continued use the outer coating on the filament of radio tubes is burned away and they lose their sensitivity. This results in weaker signals and poorer reception. The Rhamstine Tube Booster is a skilfully designed device for bringing these insensitive tubes back to life. No longer is it necessary to discard tubes because they haven't any "pep". Renews C, CX-301-A and UV, UX-201-A and UV, UX-199 and C, CX-299 tubes in **twelve minutes.** In addition to keeping your own tubes constantly "fresh," you can perform this service for others, at a profit which will soon pay for the Booster. Diameter, 3¼ inches; height, 4½ inches. For 105 to 120-volt, 60-cycle alternating current only. **$4.79**
63 D 5930 **Postage, 16¢ extra**



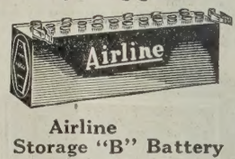
Hydrometer 35¢

Know the condition of your battery at all times. For testing storage "A" and "B" batteries. Heavy glass tube with accurately graduated glass float. Easy to read. Length, about 9 inches. **35¢**
63 D 5518 **Postage, 4¢ extra**

Storage "B" Batteries and Battery Supplies



Storage "B" Batteries deliver a uniform current at all times and reduce battery noises to a minimum. This insures clear reception. Storage "B" batteries can be quickly recharged and will last for years. An economical method of supplying "B" battery current to your set.



Airline Storage "B" Battery

Storage "B" Battery

Nationally advertised Storage "B" Battery, priced very low. Made up of twenty-four 2-volt cells giving a total of 48 volts. Capacity, 3500 milliamperes. Glass cells are mounted in a neatly finished wood box. Size, over all, 11 by 7½ by 6 in. high. Fahnestock connectors for 24 and 48 volts. Colored balls tell at a glance the condition of your battery. Complete with glass funnel. Two required with most sets. Ship. weight, 36 pounds. **Can be shipped by freight or express only.**
663 D 5598—Shipped fully charged **$13.95**

One of the best Storage "B" Batteries on the market today. Very moderately priced. Composed of twelve 2-volt cells making a total of 24 volts. Capacity, 3500 milliamperes. Cells are molded into a one-piece hard composition. Ribbed design. Size, over all, 10¼ by 2½ by 3¼ in. high. Voltage is variable in two-volt steps. Complete with two lead covered battery clips. Four required with most sets. Shipping weight, 12 pounds. **Can be shipped by freight or express only.**
663 D 5597—Shipped fully charged **$3.95**

Our Best Battery Meter



Best quality. Diameter, 2 inches. Very accurate. Polished metal rim, black enameled case. Connecting cord. Shows 0 to 50 volts. **$1.65**
63 D 6593 **Postage, 5¢ extra**

"B" Battery Meter



A handy Voltmeter, priced low. Good quality. Reads from 0 to 50 volts. Finished polished nickel. Diameter, 2 inches. With connecting cord. **79¢**
63 D 6587 **Postage, 5¢ extra**

Airline TRADE MARK Radio Loud Speakers

Finest Quality Loud Speakers

Natural Tone-Full Clear Volume

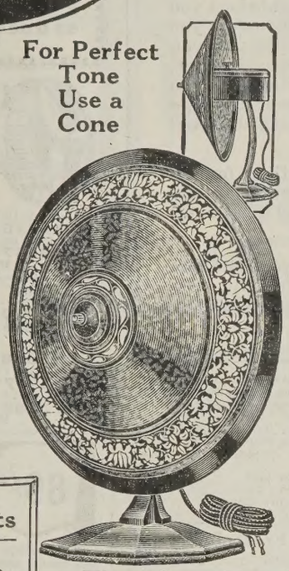
You Can Not Buy Better Quality

We unconditionally guarantee every Airline Loud Speaker to be equal to or better in tone quality, volume and appearance than many nationally advertised loud speakers of this type selling for two or three times as much as our prices. Regardless of price, we positively could not make our Airline loud speakers any better.

We have tested and compared hundreds of loud speakers in an effort to produce a line of reproducing instruments unsurpassed for performance and appearance. These Airline speakers which we now offer you, have passed all the tests for quality; they are the best we can build, and we are mighty proud of them.

Guaranteed Airline speakers are sold only by Montgomery Ward & Co.

For Perfect Tone Use a Cone





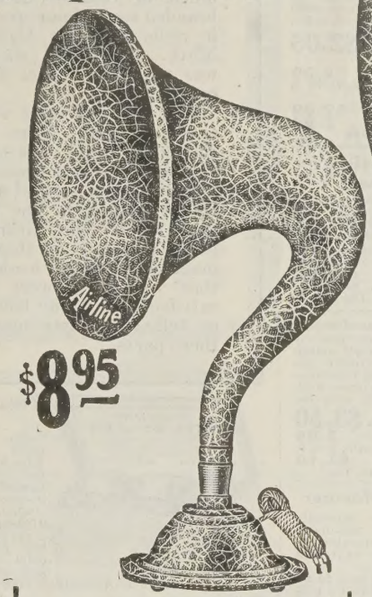
$5.95

The "Cone Type" Speaker

This "cone type" Loud Speaker was developed to fill the demand for both a beautiful, neat loud speaker of this type and also one with perfect tone quality. The cone speaker is today recognized as one of the finest types of loud speakers to be had for the reproduction of the human voice and single musical instruments. Sincerity of tone is also a noticeable feature on very weak programs sometimes received from distant stations.

The reproducing cone is made from a special parchment substitute according to the latest approved principles of construction. The unit used is a very high grade, carefully selected reproducer, intended solely for this type of loud speaker. It has a simple modulator to control the clarity which permits easy adjustment to suit the individual set. Base and standard finished in coppered bronze. Height, 14½ in. Width of cone, 12 in. With about 5-foot cord.

63 D 776 **$12.50**
Postage, 24¢ extra



$8.95

Airline "Junior"

The highest endorsement that has yet been given the Airline "Junior" Loud Speaker is the number of critical radio enthusiasts who have purchased it. It combines low price with superfine tone quality. The Airline "Junior" gives greater volume and purer, sweeter tone than many larger loud speakers. Of the same construction and similar to the Airline "Nightingale" shown at the right but slightly smaller. The loud speaker unit is fully adjustable enabling you to have exactly the tone and volume you desire. Finished in stippled gold and black or stippled plain black. Diam. of bell, 10¾ inches. Height, 19 inches. With about 5-foot connecting cord. Extension cords and attaching plugs at left.

463 D 793—Gold and Black **$5.95**
463 D 794—Plain Black **5.95**
Postage, 24¢ extra

Airline "Nightingale"

The perfect enjoyment of broadcast programs requires the master touch of a faithful reproducer, such as the Airline "Nightingale" Loud Speaker. The "Nightingale" is the most graceful of the upright type of loud speaker. It combines surprising volume and natural tone with handsome appearance and low price. The correctly designed, gracefully curved deep throat gives to the broadcasting the sweet, full mellow tones so much desired in radio reception.

The adjustable loud speaker unit in combination with this correctly designed horn gives the greatest possible volume with a total absence of the usual unpleasant harshness. Finished in either stippled gold and black or attractive black crackled leatherette. Bell diameter, 13½ inches. Height, 21½ inches. Complete with about 5-foot connecting cord. For plugs see parts column at left.

463 D 789—Gold and Black .. **$8.95**
463 D 791—Black Leatherette .. **8.95**
Postage, 26¢ extra



$7.45

Airline "Mammoth"

Ward's largest Airline Loud Speaker. It is purposely made tall to provide for a long deep throat. This construction results in wonderfully clear reproduction, exceptionally clear and natural tone and will give soft beautiful tones or tremendous volume at will, with just a turn of the full adjustable unit.

None of those metallic sounds and discords, none of the jumbled and mushy noises, characteristic of so many loud speakers, are heard in the "Mammoth".

The stippled gold finish of the "Mammoth" makes it one of the best looking loud speakers we have ever seen. The "Mammoth" is also finished in stippled black if you prefer.

The bell of the gracefully curved horn is 14 inches in diameter. Entire height is 28 inches. Weighted base prevents tipping. Fitted with about 5-foot connecting cord. Plugs and other loud speaker accessories at left of page.

463 D 773—Gold **$7.45**
463 D 774—Black **7.45**
Postage, 26¢ extra

Plugs, Cords and Units

Head Phone Cushions



Made of extremely soft sponge rubber. Excludes all external noises. Relieves pressure on ears. Fits all head phones.

63 D 6093—Per pair **39¢**
Postage, per pair, 4¢ extra

Two Cord Plug



A good, low priced Plug. Takes two sets of head phone tips. Metal parts are brass. Fiber barrel. Fits all standard jacks.

63 D 6792 **45¢**
Postage, 3¢ extra

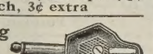
Low Priced Automatic Plug



Phone tips snap into place quickly. Slight pressure on prongs releases the phone tips. Fiber barrel, 1¾ inches long.

63 D 5245—For one pair tips . **35¢**
63 D 5246—For two pairs tips . **40¢**
Postage, each, 3¢ extra

Improved Plug



It requires no screw driver. Thread phone cord through the large hole and insert tips. Can not pull out. Molded composition. Metal parts brass. Fits all standard jacks.

63 D 6073 ..(Postage, 3¢ ex.) **27¢**

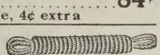
Murdock Multiple Plug



For connecting one to four head phones to the set at the same time. Takes regular cord tips. Holds firmly. Diameter, 1¾ inches. Fits any standard jack. Usually sells for $1.

63 D 6885 **84¢**
Postage, 4¢ extra

Receiver Set



Mercerized cotton Phone Cords. Length, 5 feet. Fit all head phones except Brandes.

63 D 5385—For double phones **45¢**
63 D 5390—For single phones **31¢**
63 D 5391—Length, 20 feet, for using speaker a distance from set **97¢**
Postage: 3¢ and 6¢ extra

Extension Cord



For placing the head phones or loud speaker at a distance from set. Standard plug on one end, enclosed jack on other end.

63 D 5392—10-foot length **$1.69**
63 D 5393—30-foot length .. **2.12**
63 D 5394—50-foot length .. **2.55**
Postage: 8¢, 10¢ and 12¢ extra

Radioceive Unit



Adjustable Loud Speaker Unit that gives remarkable results. In neat metal case with rubber adapter. With 6-foot cord.

63 D 775 **$2.69**
Postage, 8¢ extra

High Grade Unit



An excellent moderately priced Loud Speaker Unit. Polished nickel finished metal case, diameter, 2¾ inches. Fits all phonographs except Brunswick. With 5-foot cord.

63 D 781 **$3.10**
Postage, 8¢ extra

Needle Phone Unit

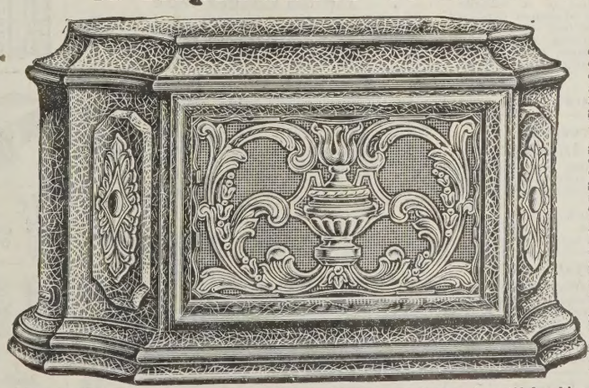


Makes any phonograph a loud speaker. Phonograph needle rests on slotted reed of unit, giving maximum volume to radio. Polished nickel case 3-inch diameter. With about 5-foot cord.

63 D 784 **$7.95**
Postage, 8¢ extra

Airline "Music Box"

A Reproducer of Rare Beauty



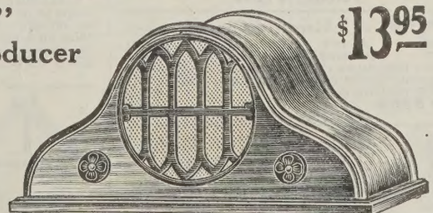
The most beautiful cabinet loud speaker we can offer you. Nothing could possibly be more attractive, more ornamental. Grecian design; graceful but dignified. Hand painted; old gold finish tinted lightly with green and black. Blended with harmonious polychrome effects. Front grillis an extremely handsome carving and is backed by golden silk cloth screen. Delightfully figured side panels. Equiped with our finest adjustable reproducing unit. Felt base prevents scratching of furniture. Cabinet is 17 inches long, 10 inches high and 10 inches deep. With about 6-foot cord. To really appreciate this cabinet speaker you must see and hear it in your own home.

The Airline "Music Box" is entirely different from other loud speakers. To convince you of its vast superiority over the usual type of cabinet speakers we make this offer. Order this Airline "Music Box" today, enclosing remittance. Examine it in your home. Use it on your radio set. Compare it with your neighbor's loud speakers. Try it for 30 days. If in that time you are not convinced it is the finest and most beautiful cabinet loud speaker you have ever seen or heard, or if you are not thoroughly pleased with it in every way, write us for return instructions and we will immediately refund the purchase price and all transportation charges.

463 D 797 **$12.95**
Postage, 36¢ extra

Airline "Master" Cabinet Style Reproducer

$13.95

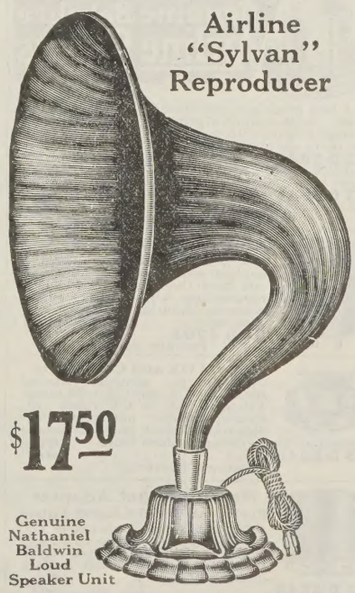


A new, beautiful design in a Cabinet Loud Speaker. Those who like true beauty will appreciate the pleasing, graceful lines and the exquisite finish of the Air-line "Master." Placing it on top of your radio set gives you about the same effect as a built-in loud speaker and its beautifully grained mahogany finish matches nearly all sets. Its beauty is only exceeded by its wonderful tone quality. Employing our now famous loud speaker unit, it gives the most perfect reproduction of the broadcasting you have ever heard. Nowhere will you find a more satisfactory and attractive loud speaker.

With its artistic grill backed by a harmonizing screen and the two carved medallions, it is truly a piece of fine furniture. Length, 22½ inches; height, 10¾ inches; depth, 10½ inches. Complete with about 5-foot connecting cord.

463 D 811 **$13.95**
Postage, 20¢ extra

Airline "Sylvan" Reproducer



$17.50

Genuine Nathaniel Baldwin Loud Speaker Unit

As is true of all our Airline Loud Speakers, beauty of tone is also noticeably the greatest feature in this new Airline "Sylvan" Reproducer. This loud speaker has, in addition to remarkable tone, a beautiful exterior. Made of a scientific, tone purifying composition. Decorated inside and out to resemble genuine mahogany. The "Sylvan" was given a soft, lustrous finish with the purpose of perfectly matching your polished furniture. It contains a genuine Nathaniel Baldwin loud speaker unit. Each unit is carefully adjusted for tone control and is tested at the factory for clarity and volume. Gracefully proportioned metal base finished in verde green. Diameter of bell, 13½ inches. Entire height, 21½ inches. Complete with about 5-foot connecting cord. We believe that the "Sylvan" is our greatest value in loud speakers and equal to any sold today.

463 D 599 **$17.50**
Postage, 26¢ extra

Use Airline for Airline Volume

Guaranteed Radio Parts and Save Money

JUST a few words to our friends who have helped to make the Airline Trade Mark mean so much in Radio. Last fall we branded some of our special values in radio with our Airline Trade Mark. On every such article was put a guarantee of highest quality.

The strictest tests were given each individual piece of merchandise before it was sent to the customer to insure against chance defects. After several months of actual testing in the hands of those who bought Airline quality parts, it was found that in every instance where we made inquiry, that the parts were perfectly satisfactory. Many have written us telling of their success with these parts.

This year we are again featuring the Airline Parts because of the demand created by radio-wise enthusiasts.

With up-to-date additions you will find that this line offers you the best in radio quality that you can buy at the price. In fact, everything you will find listed in these pages is of standard design and excellent workmanship and material.

Write to us any time for advice either in the selection of parts or their use in any of the standard circuits.

There is nothing we wish more at Ward's than a friendly relationship between ourselves and our customers.



This Audio Frequency Transformer is made especially to our specifications.

The windings are carefully insulated and wound on a shell type core of thin sheets of steel.

63 D 6264—Ratio, 6 to 1..... **$2.05**
63 D 6265—Ratio, 3½ to 1..... **2,29**
Same as above, encased in a metal shell.
63 D 7013—Ratio, 8 to 1..... **$2.39**
63 D 7014—Ratio, 3½ to 1..... **2.54**
Postage, each, 8¢ extra; pair, 10¢



Rauland Lyric Transformer

Extra large. Gives your radio set the clearest tones possible. Approved design. Type R-500. Finished in crystalline black. Low ratio wound. Can be used in up to three stages. Height, 3¾ inches. Usually sells for $9.

63 D 6008—Each..... **$8.10**
Postage, each, 12¢ extra; per pair, 18¢ extra

Thordarson Audio Frequency Transformer



These Transformers are used by many of the leading radio set manufacturers. They are correctly designed and are of approved construction. Mounted in metal case with plain connections. Usually sells for $5, $4 and $5.

63 D 6563—6 to 1 ratio..... **$3.50**
63 D 6564—3½ to 1 ratio..... **3.89**
63 D 6222—Super Transformer. Ratio, 2 to 1. For extra clear and loud amplification..... **$4.19**
Postage, each, 10¢ extra; per pair, 14¢

All American Audio Transformer



Enclosed in metal case. Specially constructed. Produces maximum amplification without distortion or howling. Usually sells for $4.75 and $4.50.

63 D 6582—Type R-13; 10 to 1. **$4.05**
63 D 6583—Type R-21; 5 to 1. **4.25**
63 D 6584—Type R-12; 3 to 1. **4.25**
Postage, each, 10¢ extra; per pair, 14¢ extra

All American Power Transformers

For maximum power (Push-Pull) amplification. Similar in construction to Audio Transformer. Usually sells for $12 per pair.

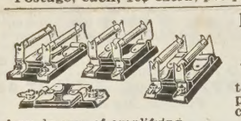
63 D 6551—Per pair..... **$10.85**
Postage, per pair, 14¢ extra

Jefferson Star Transformer



A well known Transformer of the shell core type. Mounted in a compact metal case, black enamel finish. Gives very good amplification. Usually sells for $3.25 and $3.75.

63 D 6588—Ratio, 3 to 1. **$2.34**
63 D 6908—Ratio, 6 to 1..... **2.54**
Postage, each, 10¢ extra; per pair, 14¢ extra



Resistance Coupled Amplifiers

Perfectly distortionless amplification at low cost. Purest form known of amplifying.

63 D 5965—Three-stage kit..... **$3.19**
Postage, 8¢ extra



Genuine Bakelite Airline Sockets

A high grade genuine Bakelite Socket at a low price. Reinforced at strain points. Heavy bronze springs give positive contact. Nickel plated binding posts are plainly marked.

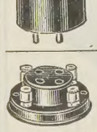
63 D 5540—For C and CX 12, 300-301A, UV and UX 200 and 201A-WD and WX12 tubes..... **23¢**
63 D 5541—For C-299 or UV-199 dry cell tubes..... **23¢**
Postage, each, 2¢ extra



Adapter for C-299 Tubes

You can use your C-299 tubes in any set with standard sockets if you have these adapters. Molded composition with strong spring contacts. Knurled lip makes handling easy.

63 D 5203..... **36¢**
Postage, 4¢ extra



Na-ald UX and CX Sockets

New type, genuine bakelite socket for CX and UX type tubes. Takes all UX or CX tubes. Increased efficiency; minimum losses. Side wipe contact, phosphor bronze contact springs. Occupies small space.

63 D 5542..... **29¢**
Postage, 3¢ extra



Na-ald Socket Adapter For UX-199 and CX-299 Tubes

Use this Adapter on UX or CX 199 and 299 type tubes to fit any standard socket. Molded black bakelite. Assures perfect contact in any socket.

63 D 5543..... **29¢**
Postage, 3¢ extra



Remler UX and CX Sockets

Takes any UX or CX type tube. Occupies very small space. ½ in. high, 2 inches long, 1½ inches wide. Positive side wipe contact. Molded bakelite. Brass lugs and screws terminals.

63 D 5544..... **62¢**
Postage, 3¢ extra



Battery Connecting Cable

The neat as well as convenient method of connecting batteries. Has five cords, each a different color. All have tinned connecting lugs on ends. Fit securely under binding posts. Cable 5½ feet.

63 D 6090..... **54¢**
Postage, 3¢ extra



Neutrodyne Kit

One of the simplest Neutrodyne Kits for the beginner. No experience needed. Complete instructions included. Wiring diagram shows every step in wiring. Latest design coils and condensers. Shipped completely unassembled. Assemble it yourself and save money.

63 D 6054—Set of five parts..... **$8.75**
Postage, per set, 32¢ extra



Storage Battery Clip

Acid resisting Connecting Clips for use on storage battery. The only way a positive contact may be made. Strong spring. Binding post connection. Length, 3¾ inches.

63 D 5532—2 clips..... **21¢**
63 D 5539—Lead covered "B" Battery Clips. Length, 1¾ inches. 2 clips.. **17¢**
Postage, 2 clips, 2¢ extra



Positive Contact Jacks

These specially constructed Jacks are well made with strong springs. Nickeled mounting bushing. Takes all standard plugs. Mounts by drilling only one hole in panel. Fitted with tinned soldering lugs. Especially low priced. Guaranteed satisfactory.

63 D 5710—Open circuit jack..... **24¢**
63 D 5711—Closed circuit jack..... **25¢**
63 D 5712—Double circuit jack..... **27¢**
Postage, each, 3¢ extra

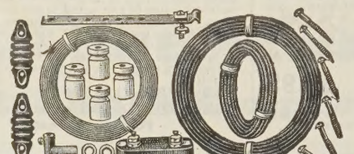


Frost Jacks

Genuine Frost Jacks. Phosphor bronze springs, silver contacts. Nickel plated brass frames. Bakelite insulation. Single-hole mounting. Take all standard plugs. Tinned soldering lugs. Usually sell for from 60¢ to 90¢.

63 D 6928—Frost No. 133 open circuit.. **47¢**
63 D 6929—Frost No. 134 closed circuit, series connection, one spring..... **54¢**
63 D 6937—Frost No. 131 two-circuit, detector-amplifier, four-spring..... **59¢**
63 D 6938—Frost No. 135, single circuit, filament control, three-spring..... **59¢**
63 D 6940—Frost No. 136 2-circuit, filament control. Opens two circuits; closes one..... **69¢**
Postage, each, 3¢ extra

Build a Better Antenna with These Parts



Complete Parts for a High Grade Antenna

Best radio results depend on an efficient antenna. With this outfit you can construct a perfect antenna. It contains all the parts necessary for the construction of a reliable antenna. It consists of 100 feet of copper wire to be used for the antenna wire, 50 feet lead-in wire, 25 feet connecting wire, lightning arrester, 4 knobs, 6 screws, 2 aerial insulators, 2 screw eyes, new style lead-in, aerial connector and ground clamp.

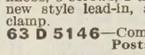
63 D 5146—Complete outfit..... **$2.75**
Postage, 18¢ extra



Porcelain Aerial Insulator

High grade, glazed porcelain, deeply corrugated. Holes in ends. Very strong. Diameter of both sizes, about 1½ inches.

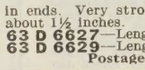
63 D 6627—Length, 3½ inches..... **9¢**
63 D 6629—Length, 5 inches..... **13¢**
Postage; 1¢ and 2¢ extra



Glass Aerial Insulator

Glass Insulators have the lowest leakage and greatest electrical strength. Will stand terrific mechanical strains. Length, 4 inches. Has ½-inch eye holes.

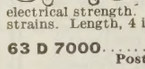
63 D 7000..... **19¢**
Postage, 2¢ extra



"Storm King" Lightning Arrester

A protection to your apparatus during electrical storms when the ground switch is not thrown. Made of porcelain with brass binding posts. Size, 4½ by 1⅜ inches.

63 D 6641..... **69¢**
Postage, 6¢ extra



Ground Clamp

A new style Ground Clamp for attaching to any ground rod, radiator or water pipe up to 1¾ inches in diameter. Sharp steel points pierce coating of grease, rust or dirt and give positive contact.

63 D 5964..... **21¢**
Postage, 2¢ extra



Build Your Own Mast With These Parts

These efficient antenna mast fittings are easily attached to any type of gable, flat or hip roofs. Set consists of roof plate, guy wire fitting and top pulley. No pipe included. See Page 454 for pipe.

63 D 5706—Fits ½-inch pipe. Per set..... **89¢**
Postage, per set, 8¢ extra
63 D 5707—Fits 1-inch pipe. Per set..... **$1.89**
Postage, per set, 12¢ extra

Magnet Wire

Standard B. & S. gauge. For making Radio apparatus, repairing motors and other electrical machines. Supplied in 8-ounce spools only. State gauge wanted.

Gauge	Enameled 63 D 1400	Double Cotton 63 D 1350	Double Green Silk Covered 63 D 1300	Approx. Number of Feet Per Spool
14	26¢	31¢		40
16	27¢	32¢		60
18	29¢	34¢		95
20	31¢	37¢	$.67	148
22	31¢	41¢	.76	230
24	33¢	47¢	.92	355
26	37¢	57¢	1.09	550
28	41¢	69¢		985
30	45¢	99¢		1100

Postage, per spool, 8¢ extra

Tinned Copper Wire

Special drawn tinned copper bus wire.

63 D 7054—Size 14, square. 10 feet..... **9¢**
63 D 7055—Size 14, round. 10 feet..... **9¢**
Postage, 10 feet, 1¢ extra

Spaghetti Covered Wire

No. 14 tinned copper wire, Spaghetti covered.

63 D 6983—Black. 2½-foot length.... **12¢**
63 D 6984—Yellow. 2½-foot length.... **12¢**
63 D 6985—Red. 2½-foot length.... **12¢**
63 D 6986—Green. 2½-foot length.... **12¢**
Postage, per length, 2¢ extra

Varnished Cambric Tubing (Spaghetti)

Perfectly shaped tubing. For covering the connecting wires in radio sets. A proper insulation.

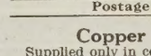
Article Number	Size	For Wire	3 Feet
63 D 6896	3	12 and smaller	13¢
63 D 6897	2	17 and smaller	13¢

Postage, 3 feet, 1¢ extra

Copper Antenna Wire

Supplied only in coils of sizes listed.

63 D 5150—Stranded copper wire. Extra strong. 100 feet..... **$.49**
150 feet..**73¢** 200 feet..**93¢** 500 feet.. **2.40**
63 D 5151—Bare copper wire, No. 14 gauge. 100 feet. **51¢** 500 feet..... **$2.45**
63 D 5152—Bare copper wire, No. 12 gauge. 100 feet. **63¢** 500 feet..... **$3.05**
Postage, 100 feet, 10¢ extra; 500 feet, 34¢ extra



New Style Lead-In

Fits under closed window. Can be bent into any shape to fit ledge. Insulated to prevent grounding on wet sills. Does away with porcelain tubes and holes through window sash. Positive connectors on ends. Requires no soldering.

63 D 6263..... **15¢**
Postage, 1¢ extra

Airline Folding Loop

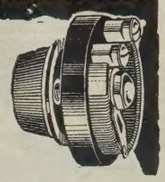


An attractive box type Folding Loop for use with portable sets, superheterodynes and reflex sets. Wound with insulated wire on strong walnut frame. Long leads for connections. Size open, 36 by 39½ inches. Size closed, 24 by 7 inches. A highly efficient loop at a money saving price.

63 D 662..... **$5.95**
Postage, 14¢ extra

Airline Rheostat

TRADE MARK



Saves much time and many measurements. No panel screws needed. Our price is very low.

Mount your Rheostats quickly by drilling only one hole. Genuine bakelite base and knob. White engraved. Arrow on knob.

63 D 6019—6-ohm for C-300 and UV-200 tubes..... **51¢**
63 D 6020—20-ohm for one C-301A or UV-201A tubes..... **61¢**
63 D 6021—30-ohm for C-299 or UV-199 tbues when used on dry cells..... **69¢**
63 D 6010—400-ohm Potentiometer **79¢**
Postage, each, 4¢ extra



Smooth Working Rheostat

Three-hole panel mounting Rheostat with attractive knob.

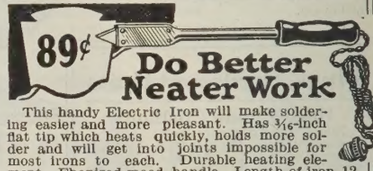
63 D 6401—6-ohm for C-300 and UV-200 tubes.... **34¢**
63 D 6400—10-ohm for C-11, C-12, WD-11, WD-12. **34¢**
63 D 6408—20-ohm for one C-301A or UV-201A tubes **34¢**
63 D 6411—30-ohm for C-299 or UV-199 tubes used on dry cells..... **34¢**
63 D 6415—50-ohm for C-299 or UV-199 tubes used on storage battery..... **34¢**
63 D 6447—400-ohm Potentiometer..... **39¢**
Postage, each, 3¢ extra



Brachstat Control

Automatic control for your tubes. Laboratory tests show Brachstats to give better control of tubes than rheostats.

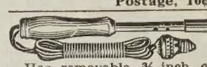
63 D 5956—For C-11, C-12, WD-11 or WD-12 tubes. **79¢**
63 D 5957—For C-301A and UV-201A tubes..... **79¢**
63 D 5958—For C-299 and UV-199 tubes. **79¢**
Postage, each, 3¢ extra



89¢ Do Better Neater Work

This handy Electric Iron will make soldering easier and more pleasant. Has 3/16-inch flat tip which heats quickly, holds more solder and will get into joints impossible for most irons to each. Durable heating element. Ebonized wood handle. Length of iron, 12 inches with 6-foot cord and plug.

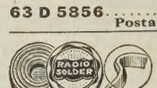
63 D 5850—For any 110-volt current.. **89¢**
63 D 5853—For any 32-volt current..... **98¢**
Postage, 10¢ extra



Electric Soldering Iron

Has removable ⅜-inch copper tip. Nichrome resistance element wound on lavite core. Shell is brass with ventilated steel shaft, insuring a cool handle at all times. Length, 12 inches. Wood handle, natural finish. With 5-foot cord and attaching plug. For any 110-volt current.

63 D 5856..... **$1.24**
Postage, 10¢ extra



Resin Core Solder

A safe and non-corrosive Solder for radio use.

63 D 5833—About 4-ounce roll. **21¢**
Postage, per roll, 2¢ extra



Solderall

A quick sure way to solder. Put a drop of Solderall on joint to be soldered, heat with a match or torch and job is done. Clean. No muss or fuss.

63 D 5822—Per tube..... **19¢**
Postage, per tube, 2¢ extra



Automatic Blow Torch

Consists of two cylinders to be filled with alcohol. Lighting large cylinder automatically generates force to produce long, needlelike flame which can be directed to spot to be soldered. Metal parts brass, nickel plated. Height, 5½ inches.

63 D 5876..... **$1.19**
Postage, 5¢ extra



Screw Assortment

A complete assortment of about 100 wood screws, machine screws, washers and nuts. Very handy when making a change in wiring or in connections.

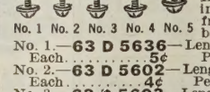
63 D 5639—Assortment.. **31¢**
Postage, 3¢ extra



Oval Head Wood Screws

About four dozen nickel plated, in convenient sizes.

63 D 5579..... **21¢**
Postage, 2¢ extra



Binding Posts

Metal parts brass, polished nickel finish. Have 6/32 screws, ⅝ inch long. Sizes given from top of knob to bottom of shoulder.

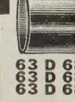
No. 1. **63 D 5636**—Length, 3/16 inch. Each..... **5¢** Per dozen..... **40¢**
No. 2.—**63 D 5602**—Length, 9/32 inch. Each..... **4¢** Per dozen..... **32¢**
No. 3.—**63 D 5603**—Length, 13/64 inch. Each..... **6¢** Per dozen..... **48¢**
No. 4.—**63 D 5638**—Length, 11/64 inch. Each..... **6¢** Per dozen..... **48¢**
No. 5.—**63 D 5644**—Length, 11/64 inch. Each..... **7¢** Per dozen..... **56¢**
Postage, each, 1¢ extra; per dozen, 6¢ extra



Marked Binding Posts

Set of 8 Binding Posts marked Ant., Gnd., A+A-, B+B-, Tel., and Tel. Markings engraved on composition top in white enamel. Complete with machine screw.

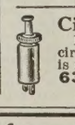
63 D 5577—Per set..... **31¢**
Postage, per set, 3¢ extra



Formica Tubing

Grade XX Bakelite-Dilecto Tubing. All sizes, 3 inches long.

63 D 6870—Inside diameter, 2½ inches..... **27¢**
63 D 6871—Inside diameter, 3 inches.... **29¢**
63 D 6872—Inside diameter, 3½ inches.. **31¢**
63 D 6873—Inside diameter, 4 inches.... **31¢**
Postage, each, 3¢ extra



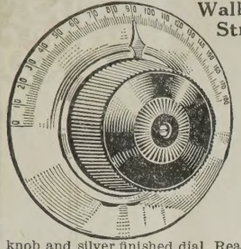
Circuit Locking Battery Switch

Removable contact plug opens filament circuit and set can not be operated till plug is replaced. Single hole mounting.

63 D 6053..... **34¢**
Postage, 3¢ extra

We Sell Only the Best Quality Radio Parts

Walbert Dial for Straight Line Frequency

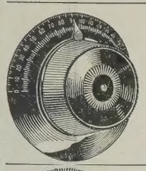


Entirely eliminates crowding of stations on lower wave lengths. Spreads stations nearly an even distance apart across the scale. Can be used on any set. Bakelite knob and silver finished dial. Reads from 0 to 180 over 180 degrees. For ¼-inch shaft. Diameter of dial, 4½ inches. Usually sells for $2.

63 D 5718 **$1.69**

Postage, 5¢ extra

Walbert Univernier



A new and more attractive model of the famous Univernier. Made entirely of polished molded bakelite. Vernier ratio 12 to 1. Diameter, 4 inches. Engraved 0 to 180 over 180 degrees. For ¼-inch shaft. Usually sells for $1.50.

63 D 5719 **$1.27**

Postage, 5¢ extra

Airline VERNIER DIAL



No lost motion. Runs smoothly and evenly. Vernier ratio is 20 to 1. Small knob turns small rubber wheel which presses against panel giving vernier action. High grade construction. Looks like bakelite. Large knob gives direct tuning. Diameter, 4 inches Scale engraved 0 to 100 over 180 degrees. For ¼-inch shaft.

63 D 5520 **89¢**

Postage, 4¢ extra

Attractive Composition Dial



An exceedingly neat and attractive Dial. Large fluted, tapering knob gives firm grip for easy tuning. Molded of black composition. White filled scale, engraved 0 to 100 over 180 degrees on 3 and 4-inch dials and 0 to 270 degrees on 2-inch dial. Beveled edge. For ¼-inch shaft.

63 D 5790—Diameter, 2 inches..... **13¢**
63 D 5791—Diameter, 3 inches..... **15¢**
63 D 5792—Diameter, 4 inches..... **21¢**

Postage, each, 2¢ extra

Genuine Bakelite Dial

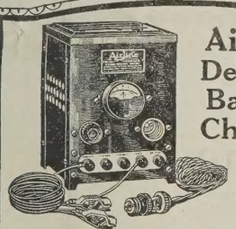


A beautiful Dial made of genuine bakelite — practically unbreakable. Has finely engraved scale filled with white enamel. Scale is graduated 0 to 100 over 180 degrees. Evenly corrugated knob insures a firm steady grip when tuning. Very neat and attractive in appearance. For ¼-inch shaft.

63 D 5230—Diameter, 3 inches..... **29¢**
63 D 5231—Diameter, 4 inches..... **49¢**

Postage, each, 3¢ extra

Airline De Luxe Battery Charger



$12.95

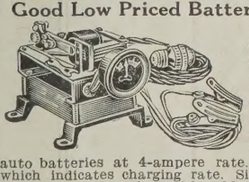
This highly efficient Battery Charger under a nationally advertised brand sells or $22.50. Our low prices save you $9.55.

Do not let a run-down battery spoil your evening's entertainment. Your battery can be charged with this charger for only a few cents. Handles both "A" and "B" batteries and will save you many trips to the service station. Mounted in a glossy black enamel steel case, 9 by 7 by 6½ inches. Charging element is of new type; much quieter and more efficient than old types. Charges 2, 4, 6 and 8-volt storage "A" batteries and charges storage "B" batteries up to 120 volts without additional wiring. Fuse plug, ammeter, binding posts and resistance lamp socket mounted on front. Furnished with about 6-foot cord and attaching plug, 4½-foot rubber covered battery leads and acidproof battery clips. Also complete instructions. For 105 to 120-volt 60-cycle alternating current.

463 D 5926 **$12.95**

Postage, 22¢ extra

Good Low Priced Battery Charger



A very good Charger. Not quite as neat appearing as those mounted in a case but equally reliable. For charging 6-volt radio and auto batteries at 4-ampere rate. Has meter which indicates charging rate. Size, 6¼ by 5¼ by 5 inches. Complete with rubber-covered battery leads and acidproof connecting clips; about 4-foot cord and attaching plug. For 105 to 120-volt 60-cycle alternating current only. Instructions included.

463 D 6190 **$9.45**

Postage, 24¢ extra

Bulb Type Charger with Bulb



For those who prefer the bulb type Charger we offer this dependable instrument. Practically noiseless. Compact in size; only 5½ by 5½ by 10 in. high when in use. Complete with bulb and instructions. Has about 4-foot cord and attaching plug, rubber covered battery leads and acidproof clips. For 105 to 120-volt 60-cycle alternating current.

463 D 6180—2-amp. charging rate..... **$10.85**
463 D 6192—5-amp. charging rate..... **18.95**
63 D 6182—Extra Bulb, 2-ampere.. **3.50**
63 D 6177—Extra Bulb, 5-ampere.. **7.45**

Postage: Charger, 26¢ extra; Bulb, 8¢ extra

Airline Head Set

TRADE MARK



$2.98

2000-Ohm

Extremely handsome Head Phones with caps and cases made entirely of genuine molded bakelite. This gives light weight, strong construction and handsome appearance. Correctly designed for greatest comfort. Shaped to fit the head and may be worn for hours with ease. Unusually sensitive and will bring in distant stations with much more volume than most head phones.

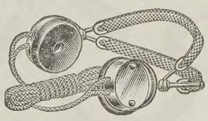
Very Sensitive—Pure Tone

Gives exceptionally clear tones and is especially designed to overcome rattling and harshness. Army type adjustable web-covered head band may be quickly set to fit any head. All metal parts nickel plated and highly polished. Complete with about 5-foot connecting cord. We believe that you can not duplicate this wonderful value anywhere for less than $5.

63 D 5157—2000-ohm **$2.98**
63 D 5158—3000-ohm. Give slightly more volume where more than one is used **$3.55**

Postage, 10¢ extra

Airline Special Head Phones



For those who prefer less expensive head phones we offer the Airline Special. Composition caps and polished aluminum cases. Light weight, sensitive and has an unusually clear tone. Adjustable web covered headband.

63 D 5188—2000-ohm..... **$2.10**
63 D 5189—3000-ohm. Give slightly more volume where more than one is used..... **$2.40**

Postage, 10¢ extra

Brandes Phones



Standard for years with radio men all over the world. Used extensively by Navy operators. Known for its matched tone. Each phone is tested and matched for tone and volume. Light in weight and excellent for long distance reception. Polished aluminum shells; composition caps. About five-foot cord.

63 D 5380—Superior type; 2000-ohm..... **$3.95**
63 D 5381—Navy type; gives more volume..... **4.10**

Postage, 10¢ extra

Famous Frost Fones



The famous Frost Fones are made with watchlike precision and will give years of reliable service. Very sensitive and of improved construction insuring great volume and clearness. Navy type adjustable head band. Composition caps and polished aluminum cases. Exceptionally light weight and comfortable. With about 6-foot cord.

63 D 5160—2000-ohm..... **$2.34**
63 D 5161—3000-ohm. Slightly more volume where more than one is used.... **$2.79**

Postage, 10¢ extra

Airline 3-Circuit Tuner

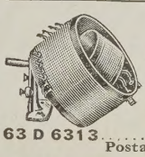


Fixed primary and secondary windings on 3-inch black fiber tube. Tickler rotates inside secondary windings. Covers all broadcasting waves. Shaft, ¼ inch. Tuner, with a .0005 mfd. variable condenser, rheostat and socket makes complete tuning unit. Height, 5 inches.

63 D 5502 **$2.10**

Postage, 8¢ extra

Variocoupler



Bakelite Variocoupler for either table or panel mounting. Has 10 taps for coarse or fine tuning. Wound with silk covered wire on genuine bakelite forms, 180-degree coupling. Shaft is ¼ inch.

63 D 6313 **$1.64**

Postage, 8¢ extra

Ultraudion Coil



Silk covered wire. Four taps. diameter, 4 inches. For all broadcast waves.

63 D 5467 **74¢**

Postage, 4¢ extra

Superheterodyne Remler Parts for Distance Tone and Volume



The most successful superheterodyne circuit in use today is the genuine Remler. The superheterodyne surpasses any other type of receiver for consistent reception of distant stations with volume and clarity. It will receive stations 2000 miles distant and better on eight C-299 or UV-199 dry cell tubes. Can also be used with storage battery tubes. Instructions for simple construction of this perfect loop receiver included with parts.

63 D 5240—Oscillator Coupler. One required..... **$2.45**
63 D 5242—Tuned Stage Transformer. One required..... **$4.10**
63 D 5241—Intermediate frequency Transformer. Three required. Each..... **$4.89**

Postage, each, 8¢ extra; set of 3, 14¢ extra



Build Your Own 5-Tube Set

For the experimenter who wants to build an efficient five-tube tuned radio frequency Radio Set there is no better kit than this Low Loss Radio Frequency outfit. The practice of employing two stages of tuned radio frequency before the detector is recognized by leading manufacturers as being the most satisfactory method of radio reception with this type of set. It also makes tuning very easy as this set, if properly built, will read alike on all three.

Straight Line Frequency Type Condensers

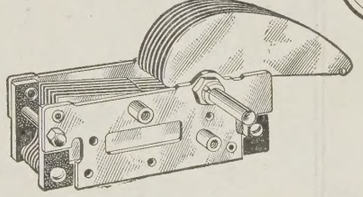
This kit contains the three parts around which the set is built, the antenna coupler coil, the first stage radio frequency unit and the second stage radio frequency unit. The coils are the "wound on air" type. Coils consist of two windings, the primary of 6 turns and the secondary of 50, a combination which will cover the entire broadcasting range. Condensers are of the low loss, straight line frequency type. Positive contact connections with the wiring diagram and complete instructions included; anyone can construct this efficient set.

63 D 5796—Complete set of parts. **$8.25**
63 D 5798—Set of three coils..... **1.34**

Postage: 14¢ and 8¢ extra

Tuning Simplified

No Crowding of Stations with This Straight Line Frequency Condenser



It is well known that the crowding of stations on the lower wavelengths makes accurate tuning on the lower part of your dials extremely difficult. To overcome this fault the Straight Line Frequency Condenser was developed. By spreading the stations at even distances across the dials this new condenser eliminates one of the greatest drawbacks to selectivity and long distance reception.

True Straight Line Frequency Action

The Straight Line Frequency Condenser is perfectly straight line only in the capacity of .0003 MFD. Many manufacturers offer several capacities as being true straight line frequency but this is the only one which permits accurate straight line frequency tuning with the majority of present day coils. For those who prefer larger sizes we offer the two straight Line frequency type condensers listed below. Our prices are extremely low for such precision instruments.

End plates are heavy aluminum grounded to prevent body capacity. **Rotor and Stator Plates** are accurately cut from heavy aluminum. Precision spacing. **Bearings** of high grade brass. Positive contact. **Insulation** is genuine hard rubber properly placed for lowest losses.

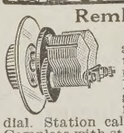
63 D 5371—True Straight Line Frequency. Capacity, .0003 mfd..... **$1.05**

Straight Line Frequency Type With Pigtail Connections

63 D 5372—Capacity, .00038 mfd. **$1.55**
63 D 5373—Capacity, .0005 mfd.. **1.79**

Postage, each, 8¢ extra

Remler Low Loss Condenser

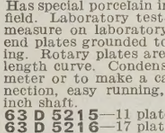


Pemits 165 to 1 ratio vernier adjustment without a vernier attachment. Both sets of plates are movable and mesh into each other. Dial operates over the full 360 degrees. Genuine bakelite gears and frame. Large knob and 4-inch dial. Station calls may be marked on paper dial. Complete with stop, panel marker and extra paper dial. Usually sells for $5.

63 D 5513—Capacity, .0005 mfd... **$3.98**
63 D 5508—Capacity, .00035 mfd.... **3.98**

Postage, each, 8¢ extra

Reliable Low Loss Variable Condenser

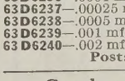


Our finest Condenser. A laboratory instrument that costs no more than an ordinary condenser. Gives more distance, volume and selectivity. Gets the most from your set. Has special porcelain insulation set well out of the field. Laboratory tests show losses too small to measure on laboratory instruments. Aluminum end plates grounded to rotor. Four hole mounting. Rotary plates are cut to straight line wavelength curve. Condenser can be used for a wave meter or to make a calibrated set. Pigtail connection, easy running, thrust bearing. Has ¼-inch shaft.

63 D 5215—11 plate; .00025 mfd... **$1.89**
63 D 5216—17 plate; .00035 mfd..... **2.15**
63 D 5217—23 plate; .0005 mfd..... **2.25**

Postage, each, 8¢ extra

Type 601 Micadons



The Ideal Mica Grid or Phone Condenser for use in a low loss set. Well made and scientifically accurate.

63D6236—.0001 mfd..31¢ **63D6217**—.0025 mfd.34¢
63D6237—.00025 mfd.31¢ **63D6218**—.003 mfd. 39¢
63D6238—.0005 mfd. 31¢ **63D6219**—.004 mfd. 39¢
63D6239—.001 mfd. 34¢ **63D6220**—.005 mfd. 49¢
63D6240—.002 mfd. 34¢ **63D6221**—.006 mfd. 59¢

Postage, each, 2¢ extra

Condenser with Mounting



Clips to hold grid leak. Mounted on Dubilier Grid Condenser. Usually sells for 45¢. With soldering lugs.

63 D 6466—.0001 mfd..**37¢**
63 D 6467—.00025 mfd..**37¢**
63 D 6468—Capacity, .0005 mfd..... **37¢**

Postage, each, 3¢ extra

Tubular Grid Leaks



Interchangeable. For use with mountings shown above. Enclosed in a dust-proof glass tube.

63 D 6372—Resistance, ½ megohms... **10¢**
63 D 6374—Resistance, 1 megohm **10¢**
63 D 6380—Resistance, 2 megohms **10¢**
63 D 6378—Resistance, 2.5 megohms **10¢**
63 D 6390—Resistance, 5 megohms..... **10¢**

Postage, each, 1¢ extra

Variable Condenser Vernier Type



For bringing in distant stations. Has a single movable plate in addition to the other plates that is controlled by a separate knob extending through the center of the 3-inch dial. Hard aluminum plates. Bakelite end plates. ¼-inch shaft. Complete with knob and engraved dial.

63 D 6108—12-plate; .00025 mfd.... **$1.69**
63 D 6109—22-plate; .0005 mfd..... **1.89**
63 D 6110—42-plate; .001 mfd..... **2.10**

Postage, each, 8¢ extra

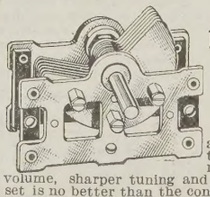
Plain Non-Vernier Type Variable Condenser

Same as above but without vernier dial or knob.

63 D 6484—11-plate; .00025 mfd.... **$.98**
63 D 6485—21-plate; .0005 mfd..... **1.09**
63 D 6486—43-plate; .001 mfd..... **1.19**

Postage, each, 8¢ extra

Airline Low Loss Variable Condenser For Better Reception



Low Loss Condensers are the latest addition to better radio apparatus. They give more volume, sharper tuning and greater distance. A set is no better than the condenser. Buy this one and be sure.

Embodies all of the accepted low loss features. Non-warping insulation strips are well out of the field. Rotor is grounded, no body capacity. Positive contact. Rigid plates are accurately spaced. Aluminum end plates with brass bushings in which shaft turns. Tension adjustment screw and lock nut. Binding posts on rear may also be used for mounting radio frequency coil. Requires four holes for mounting.

63 D 5395—11-plate; .00025 mfd..... **$1.24**
63 D 5396—17-plate; .00035 mfd..... **1.39**
63 D 5397—23-plate; .0005 mfd..... **1.54**

Postage, each, 5¢ extra

Large Capacity Bypass Condenser



Large capacity Condensers for use in Neutrodyne, Reflex and Superheterodyne circuits. Also for filtering output of battery eliminators.

63 D 6029—¼ mfd. **57¢** **63 D 6097**—1 mfd. **$.89**
63 D 6041—½ mfd. **67¢** **63 D 6098**—2 mfd. **1.45**

Postage, each, 3¢ extra

Guaranteed Airline RADIO Sets and Parts

TRADE MARK

It Is Easy to Order from This Radio Catalogue

IT will take you only a few minutes to make out your order. We have enclosed an order blank for your convenience, or you may use any plain sheet of paper if you so desire.

How to Order from This Catalogue

Go through this catalogue, select the articles you want and write out the following information:

1. State article number of each item, quantity desired, name of article, size and other information according to merchandise ordered.
2. State the exact amount of money sent us with your order. Send remittance in the form of postoffice or express money order, bank draft or personal check. If cash, send by **registered** mail, securely folded in heavy paper.
3. Be sure to give complete shipping instructions. There are three methods of transportation—parcel post, freight and express.

How to Figure Freight Charges

To help you estimate the freight charges on larger sets, we include below under "Estimated Total Freight Charges" the approximate cost of shipping sets of various weights by freight for distances of 150 miles, 300 miles and 500 miles. We also give express charges in the same way for smaller shipments. This table will give you a good idea of what your total shipping charges will be if your order is to be sent by freight or express. If you live within 150 miles you will understand that your charges would be somewhat less than the 150 mile estimate; if you live between 150 miles and 300 miles, your amount will be somewhere between the two amounts shown for the two distances, and so on.

Estimated Total Freight Charges on Radio Sets			
Ship. Wt.	150 Miles	300 Miles	500 Miles
100 pounds	$1.17	$1.68	$2.67
150 pounds	1.75	2.52	4.00
200 pounds	2.34	3.36	5.34
250 pounds	2.92	4.20	6.67
Estimated Total Express Charges			
20 pounds	$.59	$.72	$.87
40 pounds	.84	1.10	1.40
60 pounds	1.10	1.47	1.93
100 pounds	1.59	2.22	2.97

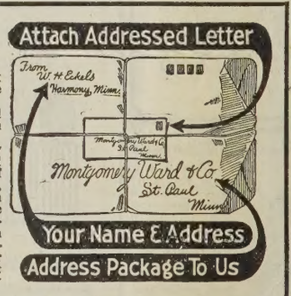
Ward's Simplifies Freight and Postage

If you want your order shipped by parcel post send additional amount for transportation. You will notice that on most of the articles shown in this catalogue we tell you just what amount to send for postage so that it is not necessary for you to figure it out.

When you wish your order shipped by freight and there is a freight agent at your station, you need not send money for transportation charges. We will ship the goods and you pay the freight charges to the agent when you receive them. If there is no freight agent at your station, however, you should send additional money for freight charges.

When your order is to be shipped by express and there is no express agent at your town or station you should give us the name of the town nearest you where there is an express agent. You pay him the express charges when the goods reach you.

How to Send Goods to Us



1. To return by parcel post, pack securely in heavy paper and tie with a strong cord.

Address the package to us and write your name and address on it. See illustration.

Write a letter telling us exactly what goods you are returning and what you desire in exchange. If you want your money refunded, so state. Enclose this letter in an addressed envelope. Seal the envelope and paste it on the package under the string as shown in the picture. Do not seal the package and **never put a letter or message inside a parcel post package as it is prohibited by law.**

Place a two-cent stamp on the envelope and sufficient postage on the package.

2. To return goods by express or freight be sure that your name and address are on the package or crate. Enclose the agent's receipt in your letter and mail it to us.
3. If the merchandise were shipped to you direct from one of our factories be sure to write us for shipping instructions before returning the merchandise to us.

MONTGOMERY WARD & CO.

Chicago~Kansas City~St. Paul~Baltimore~Portland, Ore.~Oakland, Calif.~Fort Worth